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Water Resources Data for Mississippi
Water Year 1982

(U.S.) Geological Survey, Jackson, MS

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U.S. DEPARTMENT OF THE INTERIOR
March 3 1849

THE GREAT SEAL OF THE STATE OF MISSISSIPPI

Water Resources Data
Mississippi
Water Year 1982

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-82-1

Prepared in cooperation with the Mississippi Department of Natural Resources and with other State, county, municipal, and Federal agencies

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U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

CALENDAR FOR WATER YEAR 1982

1981

OCTOBER

S	M	T	W	T	F	S
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4	5	6	7	8	9	10
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1982

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30	31					

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SEPTEMBER

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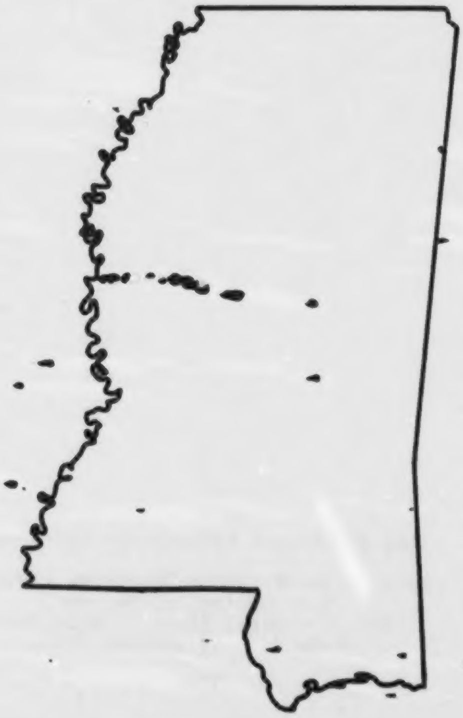
26	27	28	29	30		

U.S. DEPARTMENT OF THE INTERIOR
March 3, 1849

THE GREAT SEAL OF THE STATE OF MISSISSIPPI

Water Resources Data
Mississippi
Water Year 1982

by C.H. Tate, E.J. Tharpe, G.A. Bednar, and W.T. Oakley



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-82-1

Prepared in cooperation with the Mississippi Department of Natural Resources and with other State, county, municipal, and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR
WILLIAM P. CLARK, Secretary

GEOLOGICAL SURVEY
Dallas L. Peck, Director

For additional information write to:

District Chief, Water Resources Division
U.S. Geological Survey
100 W. Capitol Street, Suite 710
Jackson, Mississippi 39269

1984

II

PREFACE

This volume of the annual hydrologic data report of Mississippi is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsiblity for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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Water resources data for the 1982 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This report contains records of water discharge at 63 gaging stations; stage records for 18 of these gaging stations; stage only at 5 gaging stations; water quality for 26 gaging stations, and 71 wells; and water levels for 317 observation wells. Also included are peak-discharge data for 90 crest-stage partial-record stations and water quality data at 85 partial-record or miscellaneous sites. Locations of these sites are shown on Figures 3-5. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

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CONTENTS

Page
Preface........ III
List of hydrologic-data stations, in downstream order, for which records are published........ VI
Introduction........ 1
Cooperation........ 1
Hydrologic conditions........ 2
Definitions of terms........ 4
Downstream order and station numbers........ 9
Numbering system for wells and miscellaneous sites........ 9
Special networks and programs........ 9
Explanation of stage and water-discharge records........ 10
  Collection and computation of data........ 10
  Accuracy of field data and computed results........ 12
  Other data available........ 12
  Records of discharge collected by agencies other than the Geological Survey........ 12
Explanation of water-quality records........ 12
  Collection and examination of data........ 12
  Water analysis........ 13
  Water temperatures........ 13
  Sediment........ 13
Explanation of ground-water level records........ 14
  Collection of the data........ 14
Publications on techniques of water-resources investigations........ 15
Hydrologic-data station records........ 20
Discharge at partial-record stations and miscellaneous sites........ 183
  Crest-stage partial-record stations........ 183
  Miscellaneous sites........ 192
Analyses of samples collected at water-quality miscellaneous sites........ 202
Analyses of samples collected at water-quality partial-record stations........ 203
Analyses of samples collected during studies at short-term water-quality sites........ 226
Ground-water records........ 239
  Ground-water levels........ 239
  Ground-water levels in the Tennessee-Tombigbee Study Area........ 295
  Aquifer names of Geologic Unit Codes........ 326
  Quality of ground water........ 326
  Analyses of samples in State network........ 327
  Analyses of samples in the Tennessee-Tombigbee Study Area........ 334
Quality of precipitation........ 340
Index........ 341

ILLUSTRATIONS

Figure 1. System for numbering wells and miscellaneous sites........ 9
2. Comparison of discharge at three long-term representative gaging stations during 1982 with median discharge for water years 1941-70........ 16
3. Map showing location of hydrologic-data stations........ 17
4. Map showing location of partial-record stations........ 18
5. Map showing location of observation wells........ 19

HYDROLOGIC-DATA STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

[Letter after station name designates type of data: (d) discharge, (c) chemical, (b) biological (m) microbiological, (t) water temperature, (s) sediment, (g) gage height]

SOUTH ATLANTIC SLOPE AND EASTERN GULF OF MEXICO BASINS

Page

MOBILE RIVER BASIN

- Mobile River:
  - Big Brown Creek (head of Tombigbee River) near Booneville (d) 20
    - Little Brown Creek near New Site (d) 21
    - Mackeys Creek:
      - Pollard Mill Branch near Paden (d) 22
    - Mackeys Creek below Bay Springs Lock and Dam (dcmtsg) 23
      - Red Bud Creek near Moores Mill (d) 36
  - Tombigbee River:
    - Mud Creek near Fairview (d) 37
    - Cummings Creek near Fulton (d) 38
  - Tombigbee River near Fulton (dcg) 39
    - Bull Mountain Creek at Tremont (d) 42
    - Bull Mountain Creek near Smithville (dc) 43
  - Tombigbee River at Bigbee (d) 45
    - Town Creek at Eason Boulevard, at Tupelo (dg) 46
    - Town Creek near Nettleton (dcs) 48
  - Tombigbee River near Amory (dcg) 51
  - Tombigbee River at Aberdeen (dcg) 54
    - Nichols Creek near Aberdeen (c) 57
    - James Creek at Aberdeen (c) 58
    - Buttahatchee River near Aberdeen (d) 59
    - Buttahatchee River near Kolola Springs (c) 60
    - Tibbee Creek near Tibbee (d) 61
  - Tombigbee River at Columbus Lock and Dam, near Columbus (d) 62
  - Tombigbee River near Columbus (c) 63
  - Tombigbee River at Columbus (g) 65
    - Luxapallila Creek at Steens (c) 66
    - Luxapallila Creek near Columbus (dc) 67
    - Cedar Creek near Trinity (d) 69
    - Noxubee River at Macon (ds) 72
    - Noxubee River near Geiger, AL (d) 74

PASCAGOULA RIVER BASIN

- Leaf River (head of Pascagoula River) near Collins (d) 75
  - Bowie Creek near Hattiesburg (d) 76
- Leaf River at Hattiesburg (dg) 77
  - Tallahala Creek at Waldrup (d) 79
  - Tallahala Creek at Laurel (d) 80
  - Tallahala Creek near Runnelstown (d) 81
  - Bogue Homo near Richton (d) 82
- Leaf River near McLain (d) 83
  - Chunky River (head of Chickasawhay River) near Chunky (d) 84
    - Okatibbee Creek:
      - Sowashee Creek at Meridian (d) 85
    - Okatibbee Creek at Arundel (dg) 86
  - Chickasawhay River at Enterprise (dg) 88
  - Chickasawhay River at Shubuta (g) 90
  - Chickasawhay River near Waynesboro (g) 91
    - Buckatunna Creek near Denham (d) 92
  - Chickasawhay River at Leakesville (d) 93
- Pascagoula River at Merrill (dg) 94
- Pascagoula River near Benndale (cms) 96
  - Big Black Creek:
  - Black Creek (head of Big Black Creek) near Brooklyn (d) 98
    - Cypress Creek near Janice (dcms) 99
  - Black Creek near Wiggins (d) 103
    - Red Creek at Vestry (d) 104
  - Escatawpa River near Agricola, AL (d) 105

BILOXI RIVER BASIN

- Biloxi River at Wortham (d) 106

WOLF RIVER BASIN

- Wolf River near Landon (dcms) 107

PEARL RIVER BASIN

- Pearl River at Burnside (d) 110
- Pearl River at Edinburg (dg) 111
- Pearl River near Carthage (dg) 113
  - Tuscolameta Creek at Walnut Grove (dg) 115
  - Yockanookany River near Kosciusko (d) 117
  - Yockanookany River near Ofahoma (dg) 118

Page

PEARL RIVER BASIN--Continued

Pearl River at Coal Bluff near Ratliff (g) 120
Pearl River at Jackson (dg) 122
Pearl River near Monticello (dg) 124
Whitesand Creek near Oak Vale (d) 126
Pearl River near Columbia (g) 127
Pearl River near Bogalusa, LA (d) 128
Bogue Chitto near Tylertown (d) 129

OHIO RIVER BASIN

Ohio River:

TENNESSEE RIVER BASIN

Tennessee River at Florence, AL (d) 130
Yellow Creek:
Little Yellow Creek East near Burnsville (d) 131
Tennessee-Tombigbee Waterway at Cross Roads (cmtsg) 132

LOWER MISSISSIPPI RIVER BASIN

Mississippi River at Memphis, TN (dg) 142

YAZOO RIVER BASIN

Little Tallahatchie River (head of Yazoo River) at Etta (d) 144
Yocona River near Oxford (d) 145
Coldwater River:
Coldwater River (Pompey Ditch) near Sledge (cbs) 146
David Bayou near Sledge (cbs) 150
Tallahatchie River:
Tillatoba Creek below Oakland (ds) 154
South Fork Tillatoba Creek near Charleston (ds) 155
Yalobusha River at Calhoun City (d) 157
Skuna River at Bruce (d) 158
Yazoo River near Shell Bluff (cms) 159
Yazoo River at Redwood (cms) 162
Mississippi River at Vicksburg (dcmtsg) 164

BIG BLACK RIVER BASIN

Big Black River at West (d) 172
Big Black River near Bovina (dcms) 173

BAYOU PIERRE BASIN

Bayou Pierre near Willows (d) 176

HOMOCHITTO RIVER BASIN

Homochitto River at Eddiceton (d) 177
Homochitto River at Rosetta (dcms) 178

BUFFALO RIVER BASIN

Buffalo River near Woodville (d) 181

MISSISSIPPI RIVER DELTA

Amite River near Darlington, LA (d) 181

WATER RESOURCES DATA FOR MISSISSIPPI, 1982

INTRODUCTION

Water resources data for the 1982 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This report contains records of water discharge at 63 gaging stations; stage records for 18 of these gaging stations; stage only at 5 gaging stations; water quality for 26 gaging stations, and 71 wells; and water levels for 317 observation wells. Also included are peak-discharge data for 90 crest-stage partial-record stations and water-quality data at 85 partial record or miscellaneous sites. Locations of these sites are shown on Figures 3-5. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Alexandria, Virginia 22304.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report MS-82-1." These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephone (601) 960-4600.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, and for water-quality records since 1964. Organizations that assisted in the collection of data through cooperation with the Survey are:

Mississippi Department of Natural Resources,
Charlie L. Blalock, Executive Director.

Bureau of Land and Water Resources,
Charles T. Branch, Director.

Bureau of Pollution Control,
Charles H. Chisolm, Director.

Bureau of Geology,
Alvin R. Bicker, Director.

Mississippi State Highway Department,
John R. Tabb, Director.

Mississippi Research and Development Center,
Dr. Jim W. Meredith, Director.

Pat Harrison Waterway District,
Albert L. Gerrard, Jr., Executive Director.

Pearl River Valley Water Supply District,
Joe D. Brown, President.

Harrison County Development Commission,
Tommy Munro, President.

Jackson County Board of Supervisors,
J.C. May, President.

Jackson County Port Authority,
Paul Pella, Port Director.

City of Jackson,
Dale Danks, Jr., Mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 50 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture; and the Environmental Protection Agency.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Three stations are representative of the overall surface-water conditions in Mississippi during the 1982 water year (Figure 2): Tombigbee River at Columbus, which drains most of the northeast part of the State; Big Black River at Bovina, which drains the central part of the State; and Pascagoula River at Merrill, which drains the southeast part of the State.

Runoff of the Tombigbee River at Columbus Lock and Dam near Columbus was 16.65 in (423 mm) for the 1982 water year which was only 88 percent of the 1951-80 median of 18.89 in (480 mm). The monthly mean discharge for December, February, and March was well below the median monthly flow for the reference period. There were two extremely high months, January and April, and the monthly mean discharge for these months was one and one-half to two times the median monthly flow for the reference period. The yearly mean discharge was only slightly less than the median yearly flow for this station.

Runoff of the Big Black River near Bovina was 11.59 in (294 mm) for the 1982 water year which is only 72 percent of the 1951-80 median of 16.04 in (407 mm). The monthly mean discharge for each month except April and August was below the median monthly for the 1951-80 reference period with the extreme low month, March, which was only about half of the median monthly flow and the extreme high month, August, which was over three times the median flow.

Runoff of the Pascagoula River at Merrill was 13.90 in (353 mm) which is 72 percent of the 1951-80 reference period median of 19.37 in (492 mm). The monthly mean discharge for all months except February, July, and August was below the median monthly flow for the reference period with the extreme months being November, March, May, and June which were less than half of the median monthly flow and the extreme high month of August which was about double the median monthly flow for August.

Streamflow Quality

Mississippi streams provide an abundant supply of water that normally is low in dissolved-solids content and is suitable for many purposes. For the most part, the surface waters are not extensively polluted with manmade wastes. Localized stream pollution occurs in some areas of agricultural chemical use, near large urban areas, and along the industrialized Gulf Coast; however, the areas in which degraded stream water quality is a problem are not extensive.

With the exception of the Mississippi River, where in the 1982 water year, measured dissolved-solids concentrations ranged from 185 to 298 mg/L, the dissolved-solids concentrations of most streams in Mississippi generally were less than 100 mg/L. Ranges of measured dissolved-solids concentrations (in mg/L) in selected streams are given in the following table:

	Minimum	Maximum
Pascagoula River near Benndale	65	90
Wolf River near Landon	38	48
Yazoo River at Redwood	62	118
Big Black River near Bovina	72	173
Homochitto River at Rosetta	57	77

In general, the dissolved-solids concentration of the water in the Yazoo River increased downstream from Shell Bluff to Redwood. The dissolved-solids concentration, as reflected by the specific conductance measurements along the main stem of Tombigbee River, generally increased downstream from Fulton to Columbus. The measured specific conductance of the water in Tombigbee River ranged from 75 to 118 micromhos/cm at Fulton and from 112 to 150 micromhos/cm at Columbus.

The suspended-sediment concentrations measured in streams in Mississippi ranged from less than 50 mg/L during periods of low flow to more than 1,000 mg/L during high flow. Concentrations of suspended sediment were generally higher in the western part, particularly in the Yazoo River basin in the Mississippi "Delta", than in the more heavily forested eastern part of the State. Lower maximum suspended-sediment concentrations were observed in the southeastern part of the State. The following table shows ranges of measured suspended-sediment concentrations (in mg/L) in selected streams.

	Minimum	Maximum
Pascagoula River near Benndale	18	130
Yazoo River at Shell Bluff	119	438
Yazoo River at Redwood	144	917
Big Black River at Bovina	65	745
Homochitto River near Rosetta	30	960

Dissolved-oxygen concentrations measured in streams were lowest during the summer months when stream temperatures were highest and flow velocities tend to be lowest. The dissolved-oxygen concentrations were generally greater than 5.0 mg/L. Ranges of measured dissolved-oxygen concentrations in mg/L in selected streams are shown in the following table:

	Minimum	Maximum
Tombigbee River near Columbus	6.7	13.7
Pascagoula River near Benndale	7.2	9.0
Wolf River near Landon	7.4	12.2
Yazoo River at Redwood	4.6	8.2
Big Black River near Bovina	5.6	10.7
Homochitto River at Rosetta	7.1	9.2

Determinations of pH at index stations indicate that the water of most streams was slightly acidic at times and that the pH of surface water generally was lowest in the southern part of the State. The pH of the water ranged from 6.7 to 7.8 units in the Yazoo River and from 6.4 to 8.8 units in the Tombigbee River. In the southern part of the State, the pH of the water in Wolf River near Landon and Pascagoula River near Benndale ranged from 5.1 to 6.5 units and 6.1 to 7.1 units, respectively.

Ground-Water Levels

Ground-water levels in artesian aquifers statewide continued long-term declining trends following seasonal water-level recoveries during the early part of the year.

Generally, in wells screened in the Miocene aquifers in southern Mississippi, water levels declined less than 2 ft (0.6 m). In wells screened in the Graham Ferry Formation along the Gulf Coast, water levels declined 1 to 3 ft (0.3 to 0.9 m).

In central Mississippi, water levels in wells used primarily for domestic purposes screened in the Vicksburg Group and Forest Hill Sand declined less than 1 ft (0.3 m). Water levels in the Cockfield Formation, Sparta Sand, and Meridian-upper Wilcox aquifer reflected declines of 0.5 to 2 ft (0.2 to 0.6 m) in most areas but recovered 1 to 4 ft (0.3 to 1.2 m) from the record low water levels of 1981 in the Jackson metropolitan area.

In northeastern Mississippi, water levels in the Eutaw-McShan aquifer and Tuscaloosa aquifer system generally declined less than 2 ft (0.6 m). However, in the heavily pumped Tupelo area of Lee County, water levels recovered more than 5 ft (1.5 m) from the record low levels measured in 1981.

Water levels in the Sparta aquifer system, Winona-Tallahatta aquifer and the lower Wilcox aquifer in northwestern Mississippi showed declines that generally were less than 1 ft (0.3 m) but exceeded that in some wells affected by pumping.

Water levels in the Mississippi River valley alluvial aquifer in northwestern Mississippi declined about 1 to 3 ft (0.3 to 0.9 m) throughout the northern part of the area commonly known as the "Delta". Declines in excess of 3 ft (0.9 m) were measured at some sites in the northern part of the "Delta" where irrigation and fish farming place large demands on ground water from the alluvial aquifer. In the southern part of the "Delta" ground-water levels recovered somewhat and were generally 2 to 5 ft (0.6 to 1.5 m) higher than the record low water levels of 1981.

In the shallow Citronelle aquifer in southern Mississippi, water levels showed little change from measurements made in 1981 in most wells but were 1 to 2 ft (0.3 to 0.6 m) higher in some wells.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of Units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Base flow is fair-weather flow sustained by ground-water discharge.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, used for the decomposition of organic matter by micro-organisms, such as bacteria.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic average of individual daily mean discharge during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 um membrane filter. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) The dissolved oxygen content of water in equilibrium with air is a function of atmospheric pressure, and temperature and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant effect. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemical dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Gephysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analyses
Clay.	0.00024 - 0.004	Sedimentation.
Silt.	.004 - .062	Sedimentation.
Sand.	.062 - 2.	Sedimentation or sieve.
Gravel.	2. - 64.0	Sieve.

The particle-size distribution given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom..................Animal
Phylum..............Arthropoda
Class.................Insecta
Order........... Ephemeroptera
Family.............Ephemeridae
Genus................Hexageria
Species.......Hexagenia limbata

Classification levels in this report will be indicated by a series of dots or absence of them. The preceding classification would appear as follows:

ARTHROPODIA
.INSECTA
..EPHEMEROPTERA
...EPHEMERIDAE
....HEXAGENIA

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total". (Note that the work "total" does double duty here, indicating that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total, in bottom material, is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

Total, recoverable, is the amount of a given constituents that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample.

Turbidity of water is the reduction of transparency due to the presence of suspended particulate matter. The unit of measure is the nephelometric turbidity unit (NTU) and is a measure of light scatter of a beam of light passed through a sample of water.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.
drologic bench-mark station.

National Stream-Quality Accounting Network (NASQAN) Stations are designed to meet many of the information demands of agencies or groups involved in planning and management on a national or regional scale. The objectives of the Accounting Network are to depict areal variability of water-quality conditions nationwide on a year-by-year basis and to detect and assess stream-quality changes over long terms. Stations 02479020, Pascagoula River near Benndale; 02481510, Wolf River near Landon; 07287120, Yazoo River near Shell Bluff; 07288800, Yazoo River at Redwood; 07289000, Mississippi River at Vicksburg; 07290000, Big Black River near Bovina; and 07292500, Homochitto River at Rosetta, have been designated as NASQAN stations.

National Water-Quality Surveillance System (NWQSS) Stations are located to bracket major population and industrial centers for the purpose of determining the degree of water-quality degradation and the effectiveness of areawide abatement actions. Stations 07287500, Yazoo River at Yazoo City, and Station 07288800, Yazoo River at Redwood, have been designated as NWQSS stations.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000".

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1 below.

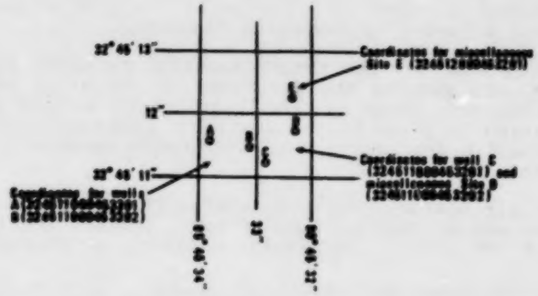
32° 46' 13"
12"
32° 46' 11"
Coordinates for miscellaneous Site E
Coordinates for well C and miscellaneous Site D
Coordinates for wells A and B
33"

Figure 1.--System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORK AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

National Stream-Quality Accounting Network (NASQAN) Stations are designed to meet many of the information demands of agencies or groups involved in planning and management on a national or regional scale. The objectives of the Accounting Network are to depict areal variability of water-quality conditions nationwide on a year-by-year basis and to detect and assess stream-quality changes over long terms. Stations 02479020, Pascagoula River near Benndale; 02481510, Wolf River near Landon; 07287120, Yazoo River near Shell Bluff; 07288800, Yazoo River at Redwood; 07289000, Mississippi River at Vicksburg; 07290000, Big Black River near Bovina; and 07292500, Homochitto River at Rosetta, have been designated as NASQAN stations.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subseqent records, discharge measurements, weather records, and comparison with stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 4.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

Data collected at partial-record stations follow the information for continuous record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of field data and computed results

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/s to whole numbers between 10 and 1,000 ft^3/s; to 3 significant figures between 1,000 and 1,000,000 ft^3/s and to 4 significant figures above 1,000,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 6 sites during the water year by the following agencies: Records of daily discharge were collected at 5 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 9 sites by the Corps of Engineers, U.S. Army. Records of stage, with periodic discharge observations at approximately 40 additional sites, and records of stage and contents at 4 reservoirs were also collected by the Corps of Engineers. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Surface water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling and/or other pertinent data are given in the table containing the chemical analysis of the ground water.

Numerical codes have been assigned for agencies collecting and/or analyzing samples. A numerical code will not be given in a water-quality table when the collecting and analyzing agency is the U.S. Geological Survey. The agency codes that may be given in this report are as follows:

810	Corps of Engineers, U.S. Army	28002	Mississippi Bureau of Geology
1028	U.S. Geological Survey	80010	U.S. Geological Survey, National Water-Quality Laboratory, Doraville, Georgia
1053	National Park Service	80020	U.S. Geological Survey, National Water-Quality Laboratory, Denver, Colorado
9728	Mississippi State Board of Health		
28001	Mississippi Bureau of Pollution Control		

Numerical codes have been assigned to describe the source of the sample and the conditions under which it was collected. A numerical code will not be given in a water-quality table except to describe unusual conditions. The codes that may be given in this report are as follows:

Sample Source		Sampling Condition	
30	Pressure Tank	4	Flowing
1001	Wet Deposition	8	Pumping
1003	Landfill	15	Bailing
1004	Cast Overburden	30	Seeping
1006	Landfill Seep		

Water analysis

Most methods for collection and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory. Some bacterial values are preceded by the symbol "K." The symbol "K" replaces the symbol "B" used in data reports prior to 1978. The symbol denotes that the value given is based on a colony count outside the acceptable range (nonideal colony count).

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water temperature

Water temperatures are measured at most of the water-quality stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diel temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude, and (2) a local number that is provided for local needs. See figure 1.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

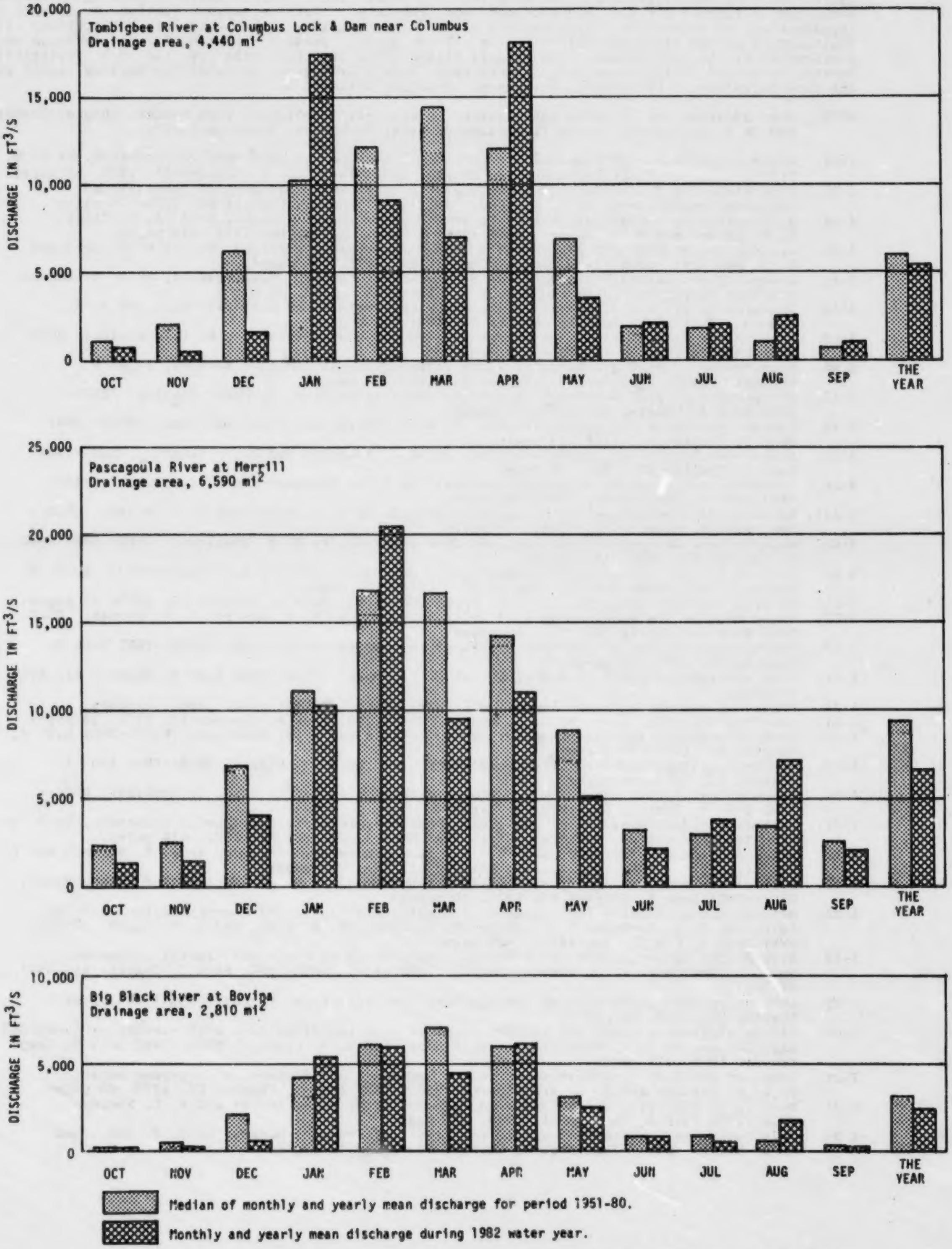

FIGURE 2.--Discharge during 1982 water year compared with median discharge for period 1951-80 for three representative gaging stations.

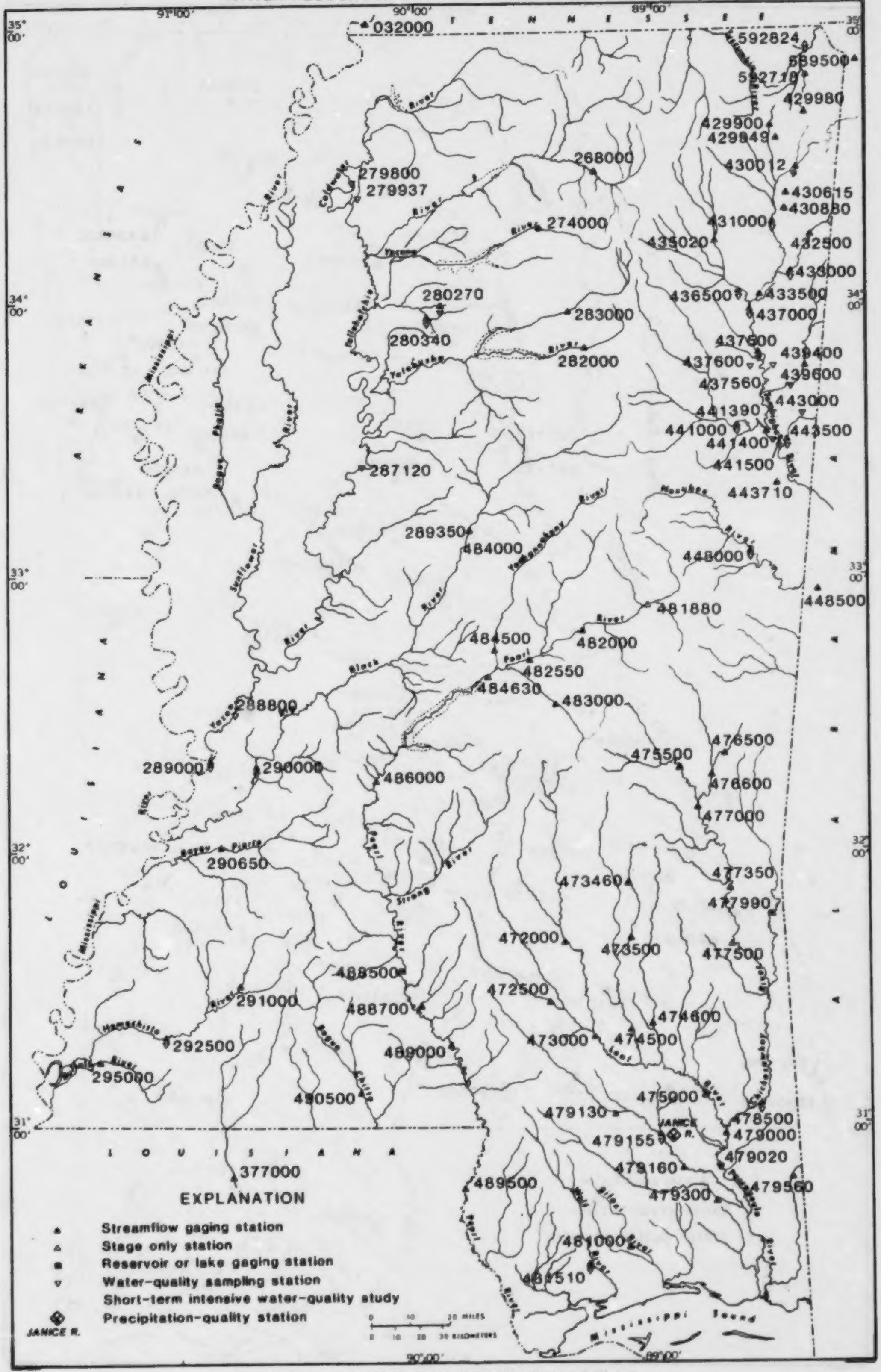
91°00'
90°00'
89°00'
35° 00'
34° 00'
33° 00'
32° 00'
31° 00'
T E N N E S S E E
A R K A N S A S
L O U I S I A N A
L O U I S I A N A
032000
592824
589500
592718
429980
429900
429949
268000
430012
279800
279937
430615
430880
274000
431000
435020
432500
433000
280270
436500
433500
437000
283000
280340
437600
439400
282000
437600
439600
437560
443000
441390
441000
443500
441400
441500
287120
443710
289350
484000
448000
448500
481880
484500
482000
482550
484630
483000
288800
476500
475500
289000
290000
486000
476600
477000
290650
477350
473460
477990
472000
473500
477500
488500
291000
472500
488700
474600
473000
474500
292500
489000
295000
475000
490500
479130
478500
JANICE R.
479155
479000
479160
479020
377000
489500
479300
479560
481000
481510
Mississippi Sound
EXPLANATION
▲ Streamflow gaging station
△ Stage only station
■ Reservoir or lake gaging station
▽ Water-quality sampling station
Short-term intensive water-quality study
◈ JANICE R. Precipitation-quality station
0 10 20 MILES
0 10 20 30 KILOMETERS
90°00'
89°00'

Figure 3.-- Location of hydrologic-data stations.

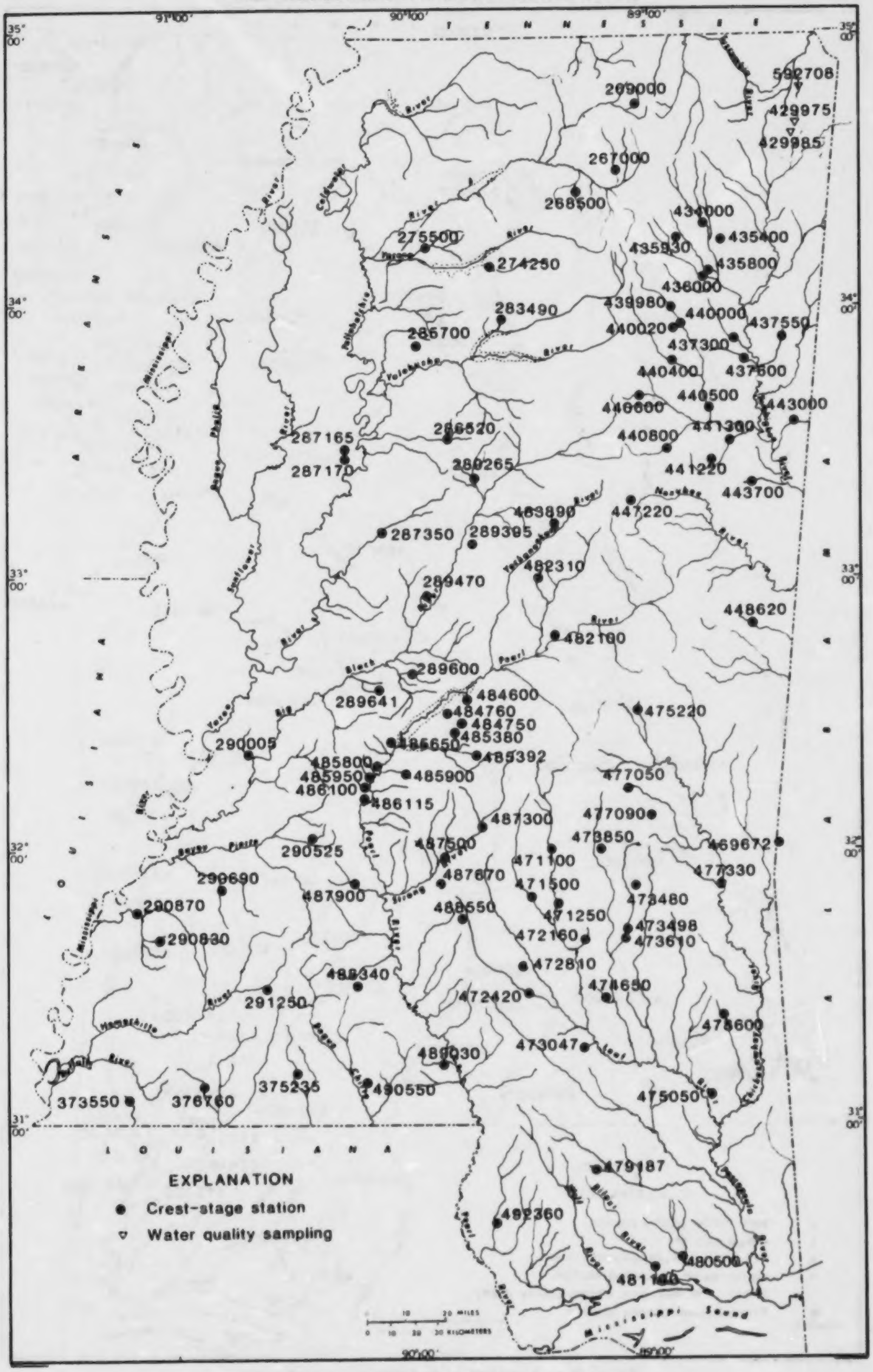
TENNESSEE
ARKANSAS
LOUISIANA
35° 00'
34° 00'
33° 00'
32° 00'
31° 00'
91°00'
90°00'
89°00'
269000
592708
429975
429985
267000
268500
434000
435400
435830
435800
436000
275500
274250
283490
439980
440000
440020
437550
285700
437300
437600
440400
440500
443000
440600
441300
440800
286520
287165
287170
289265
441220
443700
447220
483890
287350
289395
482310
289470
448620
482100
289600
289641
484600
484760
484750
475220
485380
290005
485650
485392
485800
485950
485900
477050
486100
486115
477090
487300
473850
469672
487500
290525
471100
477330
290690
487670
471500
473480
487900
290870
488550
471250
473498
290830
472160
473610
472810
488340
291250
472420
474650
475600
473047
489030
475050
375235
373550
376760
490550
479187
482360
480500
481100
Mississippi Sound
0 10 20 MILES
0 10 20 30 KILOMETERS
EXPLANATION
● Crest-stage station
▽ Water quality sampling

Figure 4.-- Location of partial-record stations

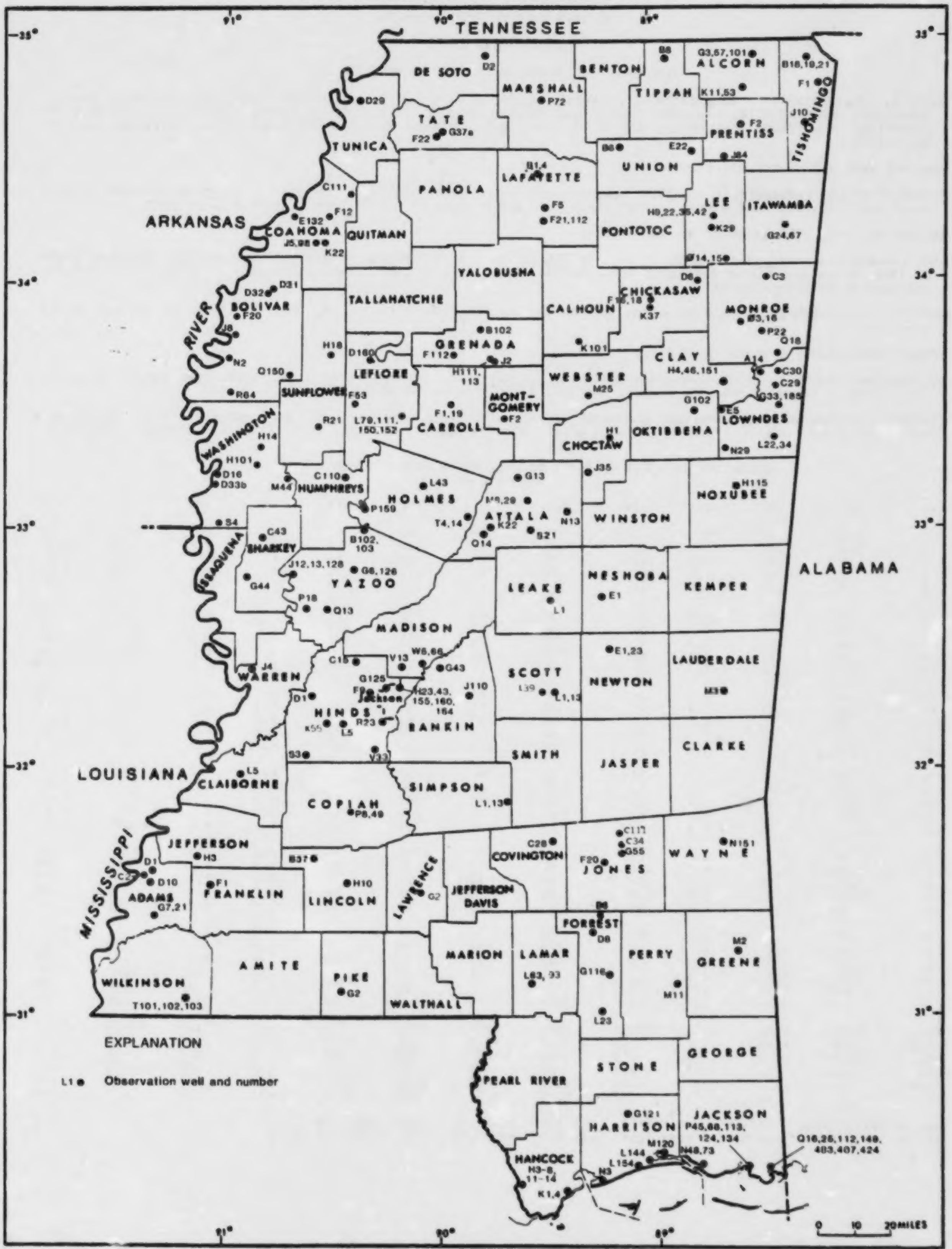
TENNESSEE
ARKANSAS
LOUISIANA
ALABAMA
MISSISSIPPI RIVER
91°
90°
89°
35°
34°
33°
32°
31°
DE SOTO
MARSHALL
BENTON
TIPPAH
ALCORN
TISHOMINGO
TATE
TUNICA
PANOLA
LAFAYETTE
UNION
PRENTISS
COAHOMA
QUITMAN
PONTOTOC
LEE
ITAWAMBA
BOLIVAR
TALLAHATCHIE
YALOBUSHA
CALHOUN
CHICKASAW
MONROE
GRENADA
SUNFLOWER
LEFLORE
WEBSTER
CLAY
MONTGOMERY
CARROLL
CHOCTAW
OKTIBBEHA
LOWNDES
WASHINGTON
HUMPHREYS
HOLMES
ATTALA
WINSTON
NOXUBEE
SHARKEY
ISSAQUENA
YAZOO
LEAKE
NESHOBA
KEMPER
MADISON
WARREN
HINDS
Jackson
SCOTT
NEWTON
LAUDERDALE
RANKIN
SMITH
JASPER
CLARKE
CLAIBORNE
COPIAH
SIMPSON
JEFFERSON
COVINGTON
JONES
WAYNE
ADAMS
FRANKLIN
LINCOLN
LAWRENCE
JEFFERSON DAVIS
FORREST
WILKINSON
AMITE
PIKE
WALTHALL
MARION
LAMAR
PERRY
GREENE
STONE
GEORGE
PEARL RIVER
HARRISON
JACKSON
HANCOCK
D2
B8
G3,57,101
B18,19,21
F1
J10
D29
P72
K11,53
F2
F22
G37a
B6
E22
J84
B14
C111
F5
F21,112
H9,22,35,42
E132
F12
K29
G24,67
J5,98
K22
I14,15
D31
D32
C3
D6
F20
F16,18
K37
B102
J6
B3,16
P22
Q18
N2
H16
D160
F112
J2
K101
Q150
A14
H4,46,151
C30
C29
R64
H111,113
M25
G33,185
F53
G102
E5
H14
R21
L79,111,150,152
F1,19
F2
H1
N29
L22,34
H101
D16
D33b
C110
M44
L43
G13
J35
H115
P159
M8,29
T4,14
K22
N13
S4
S21
C43
Q14
B102,103
J12,13,128
G6,126
G44
E1
P18
Q13
L1
J4
C15
V13
W6,66
G43
E1,23
G125
F9
H23,43,155,160,164
J110
D1
L39
L1,13
M3
K55
L5
R23
S3
V33
L5
L1,13
P8,49
C11
C34
G55
C28
N151
H3
F20
D1
B37
C2
D10
F1
H10
G2
D6
G7,21
D8
M2
G116
M11
T101,102,103
G2
L63,93
L23
EXPLANATION
L1 ● Observation well and number
G121
P45,68,113,124,134
M120
Q16,25,112,149,483,407,424
L144
L154
N48,73
N3
H3-8,11-14
K1,4
0 10 20 MILES

Figure 5.—Location of observation wells in Mississippi.

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'07", long 88°26'42", SW¼NE¼ sec.27, T.5. S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on left bank, near downstream side of bridge on county highway, 0.4 mi (0.6 km) downstream from State Highway 30, 2.0 mi (3.2 km) upstream from Martin Creek, and 7.3 mi (11.8 km) east of Booneville.

DRAINAGE AREA.--27.1 mi² (70.2 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1952-56, 1958-60, 1972; annual maximum stages, water years 1953-60, and annual maximum discharge, water years 1961-73. June 1973 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 326.56 ft or 99.535 m (corrected) National Geodetic Vertical Datum of 1929 (Tennessee Valley Authority bench mark). Prior to June 1973, crest-stage gage at site 0.4 mi (0.6 km) upstream at different datum.

REMARKS.--Records poor. Doubtful or no gage-height record, Feb. 1 to Mar. 9, June 1 to July 28 and Aug. 31 to Sept. 30.

AVERAGE DISCHARGE.--9 years, 50.5 ft³/s (1.430 m³/s), 25.31 in/yr (643 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,900 ft³/s (110 m³/s) Apr. 17, 1970, gage height, 99.97 ft (30.471 m), site and datum then in use; minimum, 0.16 ft³/s (0.005 m³/s) Sept. 2, 3, 4, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,740 ft³/s (49.3 m³/s) Jan. 21, gage height 17.97 ft (5.477 m), only peak above base of 1,600 ft³/s (45.3 m³/s); minimum daily discharge, 0.50 ft³/s (0.014 m³/s), Oct. 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	.64	25	2.1	35	50	60	25	13	2.0	1.7	.80
2	2.0	.80	12	31	29	45	600	23	9.7	3.0	.98	3.0
3	1.1	.70	9.0	592	30	40	318	21	9.4	2.0	.73	1.5
4	.90	.64	7.0	218	27	35	142	20	15	5.0	.90	1.1
5	.70	.60	6.0	62	25	30	212	19	17	6.0	.84	.90
6	.60	.58	5.0	44	30	60	118	24	9.0	4.5	.90	.80
7	.54	.56	4.2	39	27	70	97	157	8.0	3.5	1.5	.74
8	.50	.54	3.5	27	25	40	122	105	7.0	2.5	1.6	.66
9	.50	.80	2.7	26	200	35	97	50	6.0	2.0	3.5	.62
10	1.1	.70	2.4	24	50	32	74	36	5.4	2.5	9.2	.60
11	.60	.64	2.1	21	38	31	57	29	4.7	4.5	12	.59
12	.66	.58	1.9	20	33	30	51	25	4.3	3.5	3.8	.70
13	.58	.54	1.7	24	30	28	65	22	5.0	2.5	5.9	2.0
14	.56	.60	3.5	22	28	36	65	19	4.5	1.9	4.1	1.2
15	.70	.60	3.0	22	40	229	62	19	4.2	1.5	4.1	.90
16	.60	.56	2.7	22	45	83	158	18	4.0	1.7	2.9	1.0
17	1.0	1.5	2.3	18	350	40	370	17	5.0	2.5	2.3	3.5
18	4.0	1.0	2.1	20	70	30	166	15	4.0	1.6	1.8	1.6
19	2.5	.80	1.9	31	50	28	223	13	3.5	1.5	1.5	1.1
20	1.4	.70	1.8	176	40	26	194	39	3.0	3.0	.79	1.0
21	1.1	1.2	1.7	955	35	35	100	35	2.7	2.0	1.1	.90
22	.98	1.0	9.0	155	31	32	70	20	2.5	1.4	.96	.80
23	1.5	.90	7.0	694	28	30	50	16	2.2	1.2	.90	.96
24	1.3	1.0	5.0	129	26	28	45	14	2.0	1.5	.90	.90
25	.80	.90	4.0	68	25	26	40	26	1.9	1.3	.86	1.5
26	.70	.90	3.5	52	40	25	50	22	1.8	1.2	.92	1.3
27	2.5	5.0	3.1	43	230	24	45	32	1.7	1.1	.80	1.0
28	1.2	2.0	2.7	40	60	23	35	16	2.5	1.0	.80	.90
29	1.0	1.0	2.5	37	---	22	30	14	2.0	.98	2.1	.84
30	.80	2.0	2.3	35	---	22	27	11	1.7	.98	.98	.80
31	.70	---	2.2	83	---	100	---	11	---	1.6	.86	---
TOTAL	36.70	29.98	141.8	3732.1	1646	1368	3703	913	162.7	71.26	82.12	34.20
MEAN	1.18	1.00	4.57	120	58.8	44.1	123	29.5	5.42	2.30	2.65	1.14
MAX	4.0	5.0	25	955	350	229	600	157	17	6.0	12	3.5
MIN	.50	.54	1.7	2.1	25	22	27	11	1.7	.98	.73	.59
CFSM	.04	.04	.17	4.43	2.17	1.63	4.54	1.09	.20	.09	.10	.04
IN.	.05	.04	.19	5.12	2.26	1.88	5.08	1.25	.22	.10	.11	.05

CAL YR 1981 TOTAL 5326.65 MEAN 14.6 MAX 250 MIN .42 CFSM .54 IN 7.31
WTR YR 1982 TOTAL 11920.76 MEAN 32.7 MAX 955 MIN .50 CFSM 1.21 IN 16.36

02429949 LITTLE BROWN CREEK NEAR NEW SITE, MS

LOCATION.--Lat 34°32'14", long 88°24'02", in NW¼ sec.30, T.6 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on right bank at downstream side of bridge on State Highway 4, 1.8 mi (2.9 km) southwest of New Site, and 5.2 mi (8.4 km) upstream from West Canal Little Brown Creek. Records include flow in West Canal Little Brown Creek.

DRAINAGE AREA.--42.1 mi² (109 km²) combined drainage area of all channels.

PERIOD OF RECORD.--June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage on main channel is 312.64 ft (95.293 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder on West Canal Little Brown Creek, 0.2 mi (0.3 km) northwest of base gage.

REMARKS.--Records fair. Discharge computed by combining the flow of individually rated channels.

AVERAGE DISCHARGE.--9 years, 72.1 ft³/s (2.042 m³/s), 23.26 in/yr (591 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,600 ft³/s (130 m³/s) Mar. 20, 1980, gage height, 13.77 ft (4.197 m); minimum daily, 6.6 ft³/s (0.19 m³/s) Aug. 16, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 740 ft³/s (21.0 m³/s) Jan. 23, gage height 11.41 ft (3.478 m), no peak above base of 1,600 ft³/s (45.3 m³/s); maximum gage height, 11.44 ft (3.487 m) Apr. 2; minimum daily discharge, 6.6 ft³/s (0.19 m³/s), Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	8.2	71	12	57	61	71	38	19	25	9.1	7.6
2	9.0	8.4	42	22	46	52	398	32	17	15	8.5	10
3	8.1	8.3	26	496	57	47	267	30	16	12	8.4	9.8
4	7.2	8.6	21	234	47	43	99	26	18	24	8.2	7.9
5	7.0	9.2	17	74	41	40	188	25	17	17	7.9	7.7
6	7.0	9.1	15	49	45	65	119	23	15	13	8.6	8.1
7	6.7	9.2	13	39	39	74	81	30	14	11	8.8	7.6
8	6.6	9.1	12	33	37	51	118	43	14	11	8.2	7.4
9	7.0	9.7	12	31	243	44	99	28	13	10	9.2	7.2
10	9.0	9.6	12	28	96	41	72	24	13	10	11	7.2
11	9.1	9.5	12	28	63	39	54	22	13	11	18	7.3
12	7.8	9.5	11	26	52	37	57	20	13	11	12	9.1
13	7.4	9.5	12	26	46	36	52	19	13	10	10	13
14	7.5	9.8	15	26	42	40	50	18	12	9.7	10	9.8
15	7.8	9.6	13	24	41	273	47	18	12	9.4	9.9	9.4
16	7.3	10	13	26	79	136	199	18	12	9.1	9.8	14
17	7.6	11	12	28	226	77	464	17	13	9.6	12	16
18	12	11	13	25	80	63	191	17	12	9.3	11	9.3
19	8.0	10	12	30	65	54	304	16	12	8.9	9.1	8.9
20	7.4	10	12	45	57	48	232	48	11	27	8.9	8.3
21	7.6	11	13	486	52	56	103	32	11	16	8.9	8.2
22	8.4	11	18	186	46	52	71	20	11	11	8.7	7.9
23	9.5	11	18	563	42	46	58	18	10	11	8.5	8.0
24	9.6	12	14	155	40	61	51	17	10	11	8.2	7.8
25	9.5	12	13	76	38	40	47	125	9.6	9.6	8.0	8.5
26	12	12	12	52	56	35	53	43	9.5	9.1	7.9	8.5
27	12	25	12	46	156	35	51	36	10	8.9	7.8	8.4
28	9.7	14	11	42	80	33	42	25	12	9.0	7.8	8.3
29	8.1	10	11	39	---	33	40	21	12	8.6	8.0	8.1
30	7.8	30	11	37	---	33	40	19	31	8.7	7.5	7.7
31	7.8	---	12	86	---	87	---	18	---	9.7	7.8	---
TOTAL	293.5	337.1	511	3072	1987	1816	3717	886	405.1	375.6	287.7	267.0
MEAN	9.47	11.2	16.5	99.1	71.0	58.6	124	28.6	13.5	12.1	9.28	8.90
MAX	12	30	71	563	243	273	464	125	31	27	18	16
MIN	6.6	8.2	11	12	37	33	40	16	9.5	8.6	7.5	7.2
CFSM	.20	.27	.39	2.35	1.68	1.39	2.96	.68	.32	.29	.22	.21
IN.	.26	.30	.45	2.71	1.75	1.60	3.28	.78	.36	.33	.25	.24

CAL YR 1981 TOTAL 8307.4 MEAN 22.8 MAX 307 MIN 6.6 CFSM .54 IN 7.32
WTR YR 1982 TOTAL 13924.0 MEAN 38.1 MAX 563 MIN 6.6 CFSM .90 IN 12.27

02429980 POLLARD MILL BRANCH NEAR PADEN, MS

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank 30 ft (9.1 m) upstream from culvert on State Highway 30, 0.8 mi (1.3 km) east of Paden.

DRAINAGE AREA.--2.01 mi² (5.21 km²).

PERIOD OF RECORD.--Annual maximums, water years 1967-72. October 1972 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder and culvert control. Altitude of gage is 440 ft (134 m) from topographic map.

REMARKS.--Records fair. No gage-height record Aug. 5 to Sept. 1.

AVERAGE DISCHARGE.--10 years, 7.08 ft³/s (0.201 m³/s), 47.83 in/yr (1,215 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 445 ft³/s (12.6 m³/s) Mar. 16, 1973, gage height, 5.65 ft (1.722 m), from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 1.1 ft³/s (0.031 m³/s) July 7, 1980; minimum gage height, 2.36 ft (0.719 m) Oct. 24-27, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 162 ft³/s (4.59 m³/s) Jan. 2, gage height, 3.80 ft (1.158 m) from rating curve extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 2.1 ft³/s (0.059 m³/s) Sept. 9, gage height, 2.40 ft (0.732 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	3.4	20	4.6	4.2	3.4	6.0	4.2	3.1	9.1	2.9	2.3
2	2.6	3.8	5.0	24	3.8	3.1	31	3.8	3.1	7.3	2.9	4.2
3	2.6	4.6	3.9	50	5.5	3.1	13	3.4	2.9	3.1	2.6	3.4
4	2.6	4.2	3.4	14	3.6	3.1	6.0	3.4	3.8	6.0	2.6	2.9
5	2.3	4.2	3.4	5.0	3.4	2.9	24	3.1	3.1	5.0	2.4	2.9
6	2.6	4.2	3.4	4.6	4.2	6.0	9.8	3.1	2.9	3.1	2.5	2.9
7	2.6	4.2	3.4	3.8	3.1	4.2	6.0	6.0	2.9	2.9	3.0	2.9
8	3.1	3.8	3.4	3.6	3.4	3.4	9.8	5.0	2.6	2.9	2.7	2.9
9	4.6	3.8	3.4	3.6	16	3.1	7.8	3.4	2.6	2.9	3.0	2.9
10	11	3.4	3.4	3.1	5.0	3.1	5.5	3.4	2.9	3.1	3.2	2.9
11	41	3.4	3.8	3.4	3.8	3.1	5.0	3.1	2.6	3.1	7.0	3.1
12	18	3.4	3.8	3.4	3.6	3.1	4.6	2.9	2.9	2.9	6.0	6.0
13	2.6	3.4	3.8	3.3	3.4	3.1	4.2	2.9	2.9	2.6	4.5	6.6
14	2.3	3.4	6.6	3.4	3.1	6.6	4.2	2.9	2.6	2.5	4.0	2.3
15	2.6	3.4	3.8	3.3	3.4	26	4.2	2.9	2.6	2.5	3.7	3.4
16	2.6	4.6	3.4	3.4	11	7.8	17	2.9	3.4	2.6	3.4	3.6
17	2.9	3.8	3.4	3.1	14	6.6	30	2.9	3.1	2.9	4.0	2.9
18	6.6	3.8	3.4	3.3	5.5	5.5	9.1	3.1	2.9	3.1	9.0	2.3
19	3.8	3.8	3.1	6.6	4.6	4.6	19	3.1	2.6	2.6	8.0	2.0
20	3.4	3.8	3.4	22	4.2	4.2	14	6.0	2.9	2.5	5.0	2.0
21	3.4	3.8	13	40	3.8	5.5	7.2	3.3	2.9	2.5	4.0	1.8
22	2.6	3.8	11	22	3.4	4.2	5.5	3.1	2.9	2.9	3.5	2.0
23	4.2	4.2	5.5	36	3.1	3.8	5.0	3.1	2.6	4.2	3.3	2.0
24	3.8	5.5	4.6	7.2	3.1	3.8	4.6	3.1	2.6	3.4	3.0	1.8
25	3.8	4.6	4.6	5.0	2.9	3.8	4.2	5.0	2.3	2.9	2.9	2.6
26	5.5	4.6	4.2	4.2	6.6	3.4	6.0	3.4	2.6	2.6	2.8	2.3
27	7.2	17	4.6	3.8	8.4	3.1	4.6	3.1	3.1	2.6	2.8	2.0
28	4.6	5.5	4.2	3.8	4.2	3.1	4.2	3.1	3.1	2.6	3.0	2.0
29	3.8	4.2	4.2	3.6	---	3.1	4.6	3.1	6.6	2.9	2.8	1.8
30	3.1	14	3.9	3.4	---	3.1	4.6	2.9	9.1	2.9	2.8	1.8
31	3.4	---	5.5	11	---	18	---	2.9	---	3.4	3.0	---
TOTAL	168.1	143.5	156.3	311.4	144.3	160.9	280.7	108.1	96.2	106.5	116.3	84.8
MEAN	5.42	4.79	5.04	10.0	5.15	5.19	9.36	3.49	3.21	3.44	3.75	2.83
MAX	41	17	20	50	16	26	31	6.0	9.1	9.1	9.0	6.6
MIN	2.3	3.4	3.1	3.1	2.9	2.9	4.2	2.9	2.3	2.5	2.4	1.8
CFSM	2.70	2.38	2.51	4.98	2.56	2.58	4.66	1.74	1.60	1.71	1.87	1.41
IN.	3.11	2.66	2.89	5.76	2.67	2.98	5.19	2.00	1.78	1.97	2.15	1.57

CAL YR 1981 TOTAL 1560.5 MEAN 4.28 MAX 41 MIN 1.8 CFSM 2.13 IN 28.87
WTR YR 1982 TOTAL 1877.2 MEAN 5.14 MAX 50 MIN 1.8 CFSM 2.56 IN 34.72

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS

LOCATION.--Lat 34°30'44", long 88°19'34", in SW¼ sec.35, T.6 S., R.9 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank, 1.1 mi (1.8 km) downstream from bridge on State Highway 4, and 0.7 mi (1.1 km) downstream from Bay Springs Lock and Dam (under construction).

DRAINAGE AREA.--68.2 mi² (177 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1979 to current year (November 1979 to September 1981, low-water records only). Daily mean gage heights published since November 1979.

GAGE.--Water-stage recorder. Datum of gage is 330.00 ft (100.584 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Variable regulation due to construction of Bay Springs Lock and Dam 0.7 mi (1.1 km) upstream.

EXTREMES FOR CURRENT PERIOD.--Maximum discharge, 434 ft³/s (12.3 m³/s) Jan. 24, gage height, 5.96 ft (1.817 m); minimum, 3.4 ft³/s (0.096 m³/s), gage height, 0.36 ft (0.110 m), result of temporary regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height 12.06 ft (3.676 m) Mar. 21, 1980; minimum daily discharge, 8.0 ft³/s (0.227 m³/s) Sept. 20, 1981. Maximum discharge, 434 ft³/s (12.3 m³/s) Jan. 24, gage height, 5.96 ft (1.817 m); minimum, 3.4 ft³/s (0.096 m³/s) gage height, 0.36 ft (0.110 m) result of temporary regulation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	41	113	52	155	125	117	66	58	26	36	87
2	28	40	101	60	156	115	181	66	53	27	36	80
3	26	39	91	158	151	101	213	63	49	43	36	67
4	27	38	79	175	146	93	190	62	49	61	36	55
5	29	39	57	170	140	87	200	60	50	57	35	46
6	29	39	58	163	133	91	199	57	48	53	35	41
7	30	39	53	156	120	105	191	57	45	59	36	36
8	28	39	44	150	104	101	194	69	44	55	40	35
9	28	38	43	144	141	93	196	65	41	38	45	35
10	33	38	44	136	143	83	188	61	44	26	51	34
11	33	36	42	122	139	76	180	55	44	21	75	34
12	35	36	43	106	130	72	171	52	46	31	93	49
13	36	37	43	85	120	71	158	47	45	41	117	86
14	34	37	45	69	106	73	143	44	44	31	120	64
15	38	37	51	59	92	150	121	44	45	22	118	46
16	29	38	51	61	106	187	107	42	43	22	111	44
17	16	39	52	52	161	172	146	42	45	39	103	34
18	44	39	52	50	158	169	154	41	47	30	93	25
19	52	40	46	60	154	166	159	40	38	23	127	22
20	26	40	43	73	150	160	182	62	35	19	154	20
21	12	40	46	146	142	157	155	116	36	17	149	19
22	6.2	38	70	163	129	144	125	91	39	25	141	17
23	9.6	37	79	326	115	135	89	82	40	37	129	16
24	23	38	77	408	98	111	66	70	39	39	137	15
25	32	40	71	291	80	93	55	71	36	39	84	15
26	41	42	62	202	80	83	51	77	34	38	59	19
27	46	50	58	174	128	73	65	74	34	37	60	19
28	47	66	54	169	131	67	63	69	31	37	67	19
29	46	65	51	163	---	62	60	65	26	36	78	19
30	44	69	47	159	---	59	65	56	24	36	79	20
31	42	---	49	159	---	69	---	55	---	36	83	---
TOTAL	975.6	1252	1825	4466	3604	3340	4186	1927	1252	1109	2553	1117
MEAN	31.5	41.7	58.9	144	129	108	140	62.2	41.7	35.8	82.4	37.2
MAX	52	69	113	408	161	187	213	116	58	61	154	87
MIN	6.2	36	42	50	80	59	51	40	24	17	35	15
CFSM	.46	.61	.86	2.11	1.89	1.58	2.05	.91	.61	.53	1.21	.55
IN.	.53	.68	1.00	2.44	1.97	1.82	2.28	1.05	.68	.60	1.39	.61

WTR YR 1982 TOTAL 27607.6 MEAN 75.6 MAX 408 MIN 6.2 CFSM 1.11 IN 15.06

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK & DAM, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.40	1.71	3.15	1.89	3.74	3.38	3.26	2.32	2.12	1.21	1.59	2.45
2	1.34	1.63	3.02	2.11	3.73	3.23	3.97	2.30	2.01	1.32	1.58	2.30
3	1.29	1.67	2.79	3.75	3.69	3.02	4.28	2.24	1.91	1.83	1.57	2.10
4	1.32	1.66	2.54	3.94	3.64	2.86	4.08	2.21	1.91	2.19	1.57	1.90
5	1.37	1.64	2.25	3.89	3.56	2.75	4.17	2.17	1.94	2.11	1.56	1.73
6	1.39	1.65	2.04	3.83	3.48	2.82	4.16	2.10	1.88	2.12	1.56	1.64
7	1.60	1.65	1.91	3.76	3.32	3.09	4.09	2.10	1.82	2.15	1.57	1.59
8	1.36	1.63	1.69	3.69	3.07	3.01	4.12	2.38	1.78	2.06	1.60	1.55
9	1.36	1.62	1.67	3.61	3.58	2.86	4.12	2.32	1.72	1.64	1.67	1.54
10	1.49	1.63	1.59	3.51	3.60	2.67	4.06	2.19	1.80	1.34	1.96	1.52
11	1.49	1.57	1.65	3.35	3.55	2.52	3.98	2.07	1.79	1.17	2.20	1.52
12	1.54	1.58	1.67	3.09	3.45	2.43	3.90	1.98	1.83	1.47	2.56	1.73
13	1.58	1.61	1.56	2.69	3.31	2.41	3.78	1.87	1.81	1.78	2.97	2.43
14	1.52	1.61	1.71	2.37	3.36	2.45	3.60	1.79	1.80	1.50	3.02	2.07
15	1.62	1.61	1.37	2.16	2.85	3.59	3.32	1.79	1.81	1.22	2.99	1.74
16	1.39	1.62	1.37	2.19	3.04	4.05	3.12	1.75	1.77	1.20	2.39	1.80
17	.88	1.63	1.39	1.99	3.30	3.91	3.63	1.74	1.82	1.70	2.75	1.51
18	1.79	1.66	1.88	1.95	3.78	3.88	3.73	1.70	1.86	1.45	2.56	1.26
19	1.99	1.68	1.73	2.17	3.73	3.86	3.78	1.69	1.61	1.24	3.38	1.14
20	1.27	1.68	1.67	2.55	3.58	3.77	4.00	2.17	1.54	1.10	3.43	1.03
21	.77	1.69	1.74	3.63	3.59	3.76	3.77	3.26	1.59	1.05	3.37	1.04
22	.52	1.63	2.28	3.93	3.44	3.61	3.38	2.96	1.56	1.25	3.28	1.00
23	.63	1.60	2.49	5.20	3.24	3.47	2.79	2.64	1.68	1.63	3.14	.95
24	1.18	1.64	2.45	5.79	2.95	3.18	2.32	2.39	1.66	1.65	2.82	.90
25	1.45	1.69	2.31	4.92	2.60	2.86	2.05	2.41	1.58	1.66	2.38	.91
26	1.71	1.73	2.13	4.19	2.59	2.65	1.96	2.54	1.53	1.63	2.07	1.01
27	1.85	1.93	2.02	3.93	3.43	2.47	2.28	2.48	1.53	1.61	1.87	1.05
28	1.36	2.29	1.94	3.88	3.46	2.34	2.24	2.37	1.43	1.60	2.03	1.04
29	1.86	2.28	1.86	3.82	---	2.22	2.19	2.29	1.27	1.59	2.26	1.05
30	1.78	2.38	1.76	3.79	---	2.13	2.29	2.09	1.20	1.58	2.29	1.09
31	1.75	---	1.91	3.79	---	2.37	---	2.02	---	1.58	2.37	---
MEAN	1.42	1.72	2.04	3.40	3.39	3.02	3.41	2.20	1.72	1.57	2.34	1.49
MAX	1.99	2.38	3.15	5.79	3.30	4.05	4.28	3.26	2.12	2.19	3.43	2.45
MIN	.52	1.57	1.65	1.89	2.59	2.13	1.96	1.63	1.20	1.05	1.56	.90

CAL YR 1981 MEAN 1.35 MAX 5.14 MIN .52
WTR YR 1982 MEAN 2.30 MAX 5.79 MIN .52

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1979 to September 1980, October 1981 to September 1982.
pH: November 1979 to September 1982.
WATER TEMPERATURE: November 1979 to September 1982.
TURBIDITY: November 1979 to September 1982.
DISSOLVED OXYGEN: November 1979 to September 1982.
SUSPENDED SEDIMENT CONCENTRATION: December 1979 to September 1980, October 1981 to September 1982.

INSTRUMENTATION.--Water-quality monitor since November 1979. Automatic pumping sediment sampler since December 1979.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument. Construction upstream may at times affect the water quality.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 100 micromhos July 28, Aug. 7, 1980; minimum, 30 micromhos Apr. 6, 1980.
pH: Maximum, 9.8 units Dec. 11, 14, 31, 1980; minimum, 5.0 units on several days during 1980 water year.
WATER TEMPERATURE: Maximum, 32.5 C July 15, 1980; minimum, 1.0 C Jan. 12-13, 1981.
TURBIDITY: Maximum, 1000 NTU Nov. 14, 1980; minimum, 1.0 NTU July 17, 1981.
DISSOLVED OXYGEN: Maximum, 14.0 mg/L Jan. 12, 1981; minimum, 3.3 mg/L Aug. 12, 1981.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 451 mg/L Mar. 7, 1980; minimum daily mean, 1 mg/L Aug. 9, 1980.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 166 micromhos Aug. 5, 1981; minimum, 49 micromhos Mar. 30, 1981.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 450 mg/L Mar. 30, June 4, 1981; minimum daily mean, 4.0 mg/L Nov. 4, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 224 micromhos July 22; minimum, 46 micromhos Apr. 21-22.
pH: Maximum, 7.9 units Oct. 8; minimum, 5.5 units June 4.
WATER TEMPERATURE: Maximum, 31.5 C July 9; minimum, 0.5 C Jan. 16-17.
TURBIDITY: Maximum, 950 NTU Apr. 16; minimum, 1.1 NTU Nov. 3, 24-25.
DISSOLVED OXYGEN: Maximum, 12.9 mg/L Jan. 15-17; minimum, 4.7 mg/L Aug. 4.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 696 mg/L Jan. 23; minimum daily mean, 7.0 mg/L May 18, Aug. 4.

REVISIONS.--The mean daily figure of suspended sediment concentration for April 15, 1981 has been revised to 17 mg/L, superseding that previously published.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT										
20...	0915	48	110	6.8	15.0	31	8.1	1.8	5.3	24
NOV										
03...	1130	39	125	7.2	13.0	12	7.9	3.3	--	24
JAN										
19...	0930	58	127	5.7	3.5	36	10.6	--	--	22
FEB										
08...	1145	106	120	7.0	5.0	82	10.5	1.7	--	27
MAR										
01...	1230	126	73	6.6	9.0	38	10.2	2.6	--	12
APR										
07...	1400	139	70	6.9	15.5	90	8.2	--	--	11
JUN										
09...	1500	40	115	6.9	24.5	12	6.1	2.2	--	30
JUL										
14...	0915	40	140	6.6	27.5	17	5.5	2.9	--	38
AUG										
04...	1400	35	160	7.0	29.5	8.0	6.0	1.4	--	43
SEP										
15...	1215	62	175	6.2	27.0	--	6.0	3.3	--	--

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 20...	--	--	.15	.040	.36	.40	.55	.040	<.010
NOV 03...	--	<.010	.07	.050	.56	.61	.68	.020	.020
JAN 19...	--	--	.22	.120	.33	.45	.67	.090	.090
FEB 03...	.26	.050	.31	.070	.85	.94	1.3	.140	.020
MAR 01...	.19	.020	.21	.110	.33	.44	.65	.070	.040
APR 07...	--	--	.10	.180	.81	.99	1.1	.130	.040
JUN 09...	--	<.010	<.10	.060	.44	.50	--	.060	.030
JUL 14...	--	--	<.10	.150	.45	.60	--	.030	.020
AUG 04...	--	.010	<.10	.080	.42	.50	--	.030	<.010
SEP 15...	.15	.050	.20	.100	.40	.50	.70	.040	.010

DATE	COLOR (PLATINUM-COBALT UNITS)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)
OCT 20...	40	30	62	2.7	3.6	.1	11	94	.13
JAN 19...	35	55	<50	2.8	2.3	<.1	12	87	.12
APR 07...	140	32	62	4.7	2.9	.1	6.3	50	.07
JUL 14...	20	13	K37	2.8	2.7	.1	7.7	--	--

DATE	SOLIDS, DISSOLVED (TONS PER DAY)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	PHENOLS TOTAL (UG/L)
OCT 20...	12.2	3100	2700	390	650	240	410	.2	<1
JAN 19...	13.6	360	300	58	570	80	490	2.0	--
APR 07...	25.5	4100	1600	2500	640	20	620	.2	3
JUL 14...	--	2400	2300	120	910	140	770	<.1	1

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
OCT										
20...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.01	<.01	<.01
JAN										
19...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
APR										
07...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.01	<.01	<.01
JUL										
14...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT									
20...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
JAN									
19...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
APR									
07...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
JUL									
14...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT									
20...	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.01	<.01
JAN									
19...	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.01	<.01
APR									
07...	<.01	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
JUL									
14...	<.01	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT				
03...	1130	43	38	4.4
JAN				
06...	1210	161	160	70
FEB				
23...	1525	115	55	17
MAR				
10...	1610	83	14	3.1
MAY				
18...	1530	40	20	2.2
JUN				
23...	1025	41	40	4.4
AUG				
19...	1420	135	7	2.5

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	111	99	106	114	109	110	142	93	105	110	105	106
2	114	100	104	115	108	111	103	66	96	153	105	117
3	112	97	104	119	110	114	109	89	94	145	83	101
4	112	100	106	133	107	119	113	99	104	88	67	78
5	114	103	108	129	107	113	116	109	111	69	63	65
6	113	100	106	112	103	105	116	111	113	76	65	70
7	109	98	103	114	103	107	121	110	113	79	69	73
8	115	98	104	116	106	109	116	107	110	86	79	83
9	109	98	102	110	106	108	115	105	108	90	83	86
10	107	95	100	115	105	109	111	103	105	89	86	83
11	103	95	96	106	102	103	111	102	104	97	89	91
12	105	95	99	111	101	104	110	102	105	107	93	104
13	113	100	106	111	100	103	107	101	104	116	108	111
14	103	98	100	109	99	101	107	100	102	123	116	120
15	106	99	102	111	97	101	107	99	102	124	121	123
16	100	97	98	110	97	102	106	93	101	123	119	122
17	129	98	103	110	99	101	102	95	97	124	120	122
18	156	101	120	109	93	101	108	95	100	121	116	119
19	105	93	98	110	95	101	99	93	97	119	114	116
20	125	93	113	108	93	100	105	97	101	---	---	---
21	---	---	---	112	98	102	134	99	104	---	---	---
22	---	---	---	112	99	101	122	96	104	---	---	---
23	---	---	---	109	96	100	114	83	96	---	---	---
24	---	---	---	109	96	101	88	86	87	---	---	---
25	---	---	---	106	94	98	97	83	93	---	---	---
26	174	123	147	102	92	96	101	94	97	---	---	---
27	152	116	125	156	91	112	105	99	101	---	---	---
28	120	111	116	103	95	97	106	100	103	78	68	70
29	116	109	112	96	90	93	111	101	104	78	70	75
30	114	107	110	148	89	105	107	104	104	89	76	81
31	117	103	112	---	---	---	119	105	108			
MONTH	174	93	108	156	89	106	142	66	102	153	63	96

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	90	82	87	88	79	83	110	99	102	74	63	71
2	92	89	91	97	88	93	121	79	95	76	73	75
3	93	90	92	103	96	100	86	78	83	80	76	79
4	106	93	102	127	103	107	79	67	74	84	80	82
5	113	105	110	116	106	109	78	67	71	89	84	87
6	115	103	111	121	105	111	75	68	72	92	89	91
7	114	109	111	106	101	103	---	---	---	116	92	95
8	119	114	116	111	90	97	---	---	---	93	91	92
9	135	111	120	98	91	96	78	76	77	93	91	92
10	110	99	106	100	97	99	79	76	77	91	84	88
11	97	82	86	106	99	101	80	78	79	87	84	86
12	91	85	88	103	100	102	82	79	80	90	87	89
13	97	91	94	107	102	104	84	82	83	95	90	93
14	96	94	96	102	99	100	87	84	86	97	95	96
15	102	94	96	143	93	105	94	85	87	105	97	99
16	143	97	107	98	71	85	127	80	90	101	95	99
17	114	87	96	80	68	71	104	72	83	108	101	102
18	89	73	82	76	70	74	71	60	64	103	99	102
19	85	74	78	81	77	79	86	53	64	106	100	102
20	84	80	82	84	81	83	58	50	53	179	100	120
21	91	84	89	99	86	93	50	46	48	107	95	103
22	92	90	91	97	92	95	53	46	50	95	75	84
23	92	90	91	101	97	100	54	50	52	79	74	76
24	97	94	96	100	99	99	53	51	52	81	74	78
25	101	97	100	102	100	101	53	52	53	114	82	93
26	113	101	107	104	101	102	63	53	57	98	91	95
27	105	98	101	106	103	104	59	53	56	100	95	98
28	98	80	91	106	105	105	66	57	59	97	92	95
29	---	---	---	106	105	105	64	59	61	102	92	95
30	---	---	---	107	106	106	68	62	65	100	96	98
31	---	---	---	126	100	107	---	---	---	150	100	109
MONTH	143	73	97	143	68	97	127	46	70	179	63	92

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	130	106	111	189	142	160	163	161	162	170	167	168
2	119	107	112	148	139	146	168	163	165	176	170	172
3	115	112	114	137	110	123	166	163	165	172	153	165
4	122	112	115	124	111	114	164	162	163	167	159	164
5	118	111	113	132	116	125	164	162	163	169	167	169
6	114	112	113	142	132	138	164	163	163	169	168	169
7	116	113	115	141	136	139	162	150	161	172	167	168
8	117	115	116	142	137	139	163	162	163	174	163	168
9	118	116	117	148	142	146	195	147	167	176	172	174
10	126	118	120	154	147	150	196	157	170	183	174	177
11	122	119	120	153	150	152	185	155	172	184	175	179
12	131	122	126	154	152	153	---	---	---	---	---	---
13	126	123	125	154	145	150	---	---	---	---	---	---
14	127	124	126	145	142	143	---	---	---	---	---	---
15	135	127	131	149	143	147	---	---	---	175	169	172
16	132	130	131	154	143	151	---	---	---	171	142	157
17	131	130	130	154	152	153	---	---	---	172	139	154
18	138	131	134	152	148	149	---	---	---	161	151	154
19	134	132	133	156	149	152	170	166	168	151	146	149
20	132	130	131	155	152	154	172	167	169	170	144	148
21	136	130	132	159	153	156	175	172	172	144	137	141
22	133	131	132	224	144	170	172	170	172	144	137	141
23	137	130	133	---	---	---	177	170	172	144	141	142
24	133	126	129	---	---	---	---	---	---	142	139	141
25	141	133	137	---	---	---	---	---	---	142	134	138
26	141	138	140	---	---	---	---	---	---	135	120	129
27	145	141	143	---	---	---	---	---	---	133	106	120
28	175	141	153	---	---	---	---	---	---	131	121	125
29	159	147	151	---	---	---	---	---	---	136	125	131
30	215	146	156	168	160	162	168	164	166	141	135	139
31	---	---	---	162	160	161	167	165	166	---	---	---
MONTH	215	106	128	224	110	147	196	147	167	184	106	154
YEAR	224	46	111									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.3	7.0	6.7	6.5	6.9	6.5	6.8	6.7	6.7	6.6	6.9	6.8
2	7.6	7.1	6.7	6.5	7.0	6.6	7.3	6.8	6.8	6.7	7.0	6.8
3	7.6	7.1	6.9	6.5	6.7	6.4	7.2	6.5	6.8	6.5	7.0	6.7
4	7.4	7.1	7.5	6.5	6.9	6.5	6.7	6.4	6.9	6.7	7.1	6.5
5	7.3	7.0	7.2	6.5	6.8	6.6	6.5	6.2	6.8	6.7	7.1	6.8
6	7.2	7.0	6.8	6.6	6.7	6.5	6.3	6.1	7.0	6.8	7.3	6.8
7	7.2	7.0	6.7	6.5	7.1	6.5	6.3	6.2	7.0	6.9	6.9	6.9
8	7.9	6.9	6.7	6.4	6.7	6.5	6.5	6.3	7.1	7.0	6.9	6.8
9	7.3	6.9	6.6	6.5	6.9	6.6	6.5	6.3	7.5	7.1	7.0	6.9
10	7.1	6.9	6.8	6.6	6.8	6.6	6.7	6.4	7.2	6.9	7.0	6.8
11	7.1	6.9	6.7	6.6	6.7	6.5	6.7	6.6	6.9	6.8	7.0	6.8
12	7.1	6.9	6.8	6.6	6.7	6.5	6.8	6.8	6.9	6.9	7.0	6.7
13	7.3	6.9	6.8	6.6	6.7	6.6	6.8	6.8	7.0	6.9	7.0	6.8
14	7.0	6.9	6.8	6.5	6.7	6.6	6.9	6.8	7.0	6.8	7.0	6.8
15	7.0	6.8	6.8	6.5	6.8	6.6	6.8	6.7	7.0	6.8	7.0	6.7
16	6.9	6.7	6.7	6.5	6.9	6.8	6.9	6.7	7.0	6.7	6.8	6.2
17	7.1	6.6	6.9	6.6	6.9	6.8	7.0	6.9	7.3	6.7	6.5	6.0
18	7.6	6.8	6.9	6.5	7.4	6.9	6.9	6.8	6.8	6.5	6.4	6.2
19	7.4	6.8	6.7	6.5	7.0	6.9	6.8	6.6	6.8	6.5	6.5	6.1
20	7.0	6.8	6.9	6.7	7.1	7.0	---	---	6.6	6.4	6.5	6.3
21	---	---	7.1	6.8	7.0	6.9	---	---	6.7	6.5	6.9	6.5
22	---	---	7.0	6.7	7.4	6.8	---	---	6.7	6.5	6.8	6.6
23	---	---	6.9	6.7	7.1	6.9	---	---	6.7	6.4	6.8	6.7
24	---	---	7.2	6.7	6.9	6.8	---	---	6.9	6.7	6.7	6.5
25	---	---	6.9	6.6	6.9	6.7	---	---	7.1	6.9	6.8	6.5
26	---	---	6.9	6.6	6.8	6.7	---	---	7.7	7.3	6.9	6.6
27	7.4	6.6	7.1	6.6	6.8	6.7	---	---	7.0	7.0	6.9	6.8
28	6.9	6.6	6.9	6.8	6.8	6.7	---	---	7.1	6.9	6.9	6.7
29	6.8	6.5	6.9	6.7	7.1	6.8	6.5	6.1	---	---	6.8	6.6
30	6.7	6.6	7.0	6.6	6.9	6.7	6.5	6.2	---	---	6.8	6.4
31	6.9	6.6	---	---	7.1	6.7	6.8	6.4	---	---	6.8	6.4
MONTH	7.9	6.5	7.5	6.4	7.4	6.4	7.3	6.1	7.7	6.4	7.3	6.0

02430912 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.8	6.3	6.2	5.9	6.6	6.4	6.9	6.8	6.9	6.8	6.9	6.8
2	7.3	6.3	6.2	5.9	6.7	6.2	6.8	6.7	6.9	6.8	6.8	6.7
3	6.6	6.3	6.2	5.8	6.8	6.5	6.7	6.7	6.9	6.8	6.8	6.7
4	6.6	6.2	6.2	5.5	7.1	6.5	6.8	6.7	6.9	6.6	6.8	6.7
5	6.6	6.2	6.2	5.9	6.9	6.7	6.8	6.7	6.9	6.8	6.8	6.8
6	6.6	6.5	6.3	6.0	---	---	6.7	6.7	6.8	6.8	6.8	6.8
7	---	---	6.9	6.2	---	---	6.7	6.7	6.8	6.6	6.8	6.8
8	---	---	6.5	6.2	---	---	6.7	6.7	6.8	6.8	6.9	6.8
9	6.6	6.4	6.4	6.1	---	---	6.8	6.7	7.6	6.8	6.9	6.7
10	6.7	6.4	6.4	5.9	---	---	6.7	6.6	6.9	6.8	7.0	6.9
11	6.7	6.3	6.3	5.9	---	---	6.6	6.6	7.4	6.8	6.9	6.9
12	6.7	6.2	6.3	5.9	---	---	6.7	6.6	---	---	---	---
13	6.5	6.3	6.3	5.6	---	---	6.7	6.6	---	---	---	---
14	6.5	6.2	6.3	6.0	---	---	6.7	6.6	---	---	---	---
15	6.5	6.1	6.2	5.9	---	---	6.9	6.6	---	---	6.8	6.7
16	7.2	6.2	6.3	5.8	---	---	6.9	6.8	---	---	6.8	6.7
17	6.6	6.2	6.2	5.6	---	---	6.8	6.8	---	---	6.7	6.5
18	6.6	6.2	6.2	5.9	---	---	6.8	6.8	---	---	6.7	6.5
19	6.7	6.1	6.7	6.1	---	---	7.0	6.8	6.9	6.8	6.7	6.5
20	6.2	6.0	7.7	6.7	---	---	6.9	6.8	6.8	6.8	6.8	6.6
21	6.2	6.0	6.9	6.4	---	---	7.0	6.8	6.9	6.8	6.8	6.7
22	6.3	6.2	6.7	6.2	---	---	7.2	6.8	6.8	6.8	6.8	6.7
23	6.4	6.0	6.6	6.4	---	---	---	---	6.8	6.8	6.8	6.7
24	6.3	5.8	6.7	6.3	---	---	---	---	---	---	6.7	6.7
25	6.1	5.9	6.9	6.5	---	---	---	---	---	---	6.8	6.7
26	6.3	6.0	6.7	6.2	6.9	6.3	---	---	---	---	6.8	6.7
27	6.2	6.1	6.7	6.1	6.9	6.8	---	---	---	---	6.8	6.6
28	6.3	6.0	6.5	6.0	7.2	6.8	---	---	---	---	6.8	6.7
29	6.4	6.2	6.5	6.0	6.8	6.8	---	---	---	---	6.8	6.7
30	6.2	5.9	6.5	5.9	7.6	6.6	6.9	6.8	6.9	6.8	6.8	6.7
31	---	---	6.5	6.0	---	---	6.9	6.8	6.9	6.9	---	---
MONTH	7.3	5.8	7.7	5.5	7.6	6.2	7.2	6.6	7.6	6.6	7.0	6.5
YEAR	7.9	5.5										

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.0	20.0	21.5	18.0	16.5	17.0	13.0	11.0	12.0	8.5	7.0	8.0
2	22.0	20.0	21.0	19.0	17.0	18.0	12.0	10.5	11.0	10.5	6.5	8.0
3	20.0	18.0	19.5	19.0	17.5	18.0	12.0	10.0	11.0	11.5	10.0	10.5
4	19.5	16.5	18.0	19.5	17.5	18.5	11.0	9.0	10.0	11.5	10.0	10.5
5	20.5	17.5	19.0	20.0	18.0	18.5	10.0	8.0	9.0	11.0	10.0	10.5
6	22.0	19.5	20.5	18.5	16.5	17.5	9.0	8.0	8.5	11.5	10.5	10.5
7	21.0	19.5	20.0	17.0	15.0	16.0	9.0	8.5	8.5	11.0	8.5	10.0
8	20.0	18.5	19.0	16.5	14.5	15.5	9.5	8.0	8.5	8.5	7.5	8.0
9	18.5	17.0	17.5	15.5	14.0	15.0	8.5	7.5	8.0	8.0	6.0	7.0
10	19.5	16.0	18.0	15.0	13.5	14.0	8.0	6.5	7.0	6.0	2.5	4.0
11	19.5	18.0	19.0	14.5	13.0	13.5	7.0	6.5	7.0	4.0	2.5	3.0
12	20.0	18.0	19.0	14.0	12.0	13.0	7.5	6.5	7.0	2.5	2.0	2.5
13	20.5	18.5	19.5	13.5	12.0	13.0	7.0	6.5	6.5	2.5	2.0	2.5
14	19.0	17.5	18.5	13.5	11.0	12.0	6.5	6.5	6.5	3.0	1.5	2.0
15	19.5	18.0	19.0	13.0	11.0	12.0	7.0	6.0	6.5	3.5	2.0	2.5
16	21.0	18.0	19.0	14.0	12.0	13.0	7.0	5.5	6.5	3.0	.5	2.0
17	21.5	20.0	21.0	13.0	11.0	12.0	7.5	6.0	7.0	2.5	.5	1.5
18	21.0	19.5	20.5	13.0	10.5	12.0	6.0	4.0	5.0	3.0	2.0	2.5
19	19.5	17.0	18.5	14.0	12.5	13.0	5.0	3.0	4.0	5.0	3.0	4.0
20	17.5	15.0	16.0	12.5	10.0	11.5	4.5	2.5	4.0	---	---	---
21	---	---	---	10.5	9.0	10.0	5.0	4.0	4.5	---	---	---
22	---	---	---	10.5	8.5	9.5	7.5	5.0	6.5	---	---	---
23	---	---	---	10.0	8.5	9.5	7.0	6.0	6.5	---	---	---
24	---	---	---	10.5	8.5	9.5	7.0	6.5	7.0	---	---	---
25	---	---	---	10.0	8.5	9.0	8.0	6.5	7.5	---	---	---
26	14.0	13.5	14.0	11.5	9.0	10.5	7.5	7.0	7.5	---	---	---
27	14.5	13.0	14.0	12.5	11.5	12.0	8.5	6.5	7.5	---	---	---
28	15.0	12.5	14.0	12.0	10.5	11.5	9.0	7.5	8.0	---	---	---
29	15.5	13.0	14.5	12.0	11.5	11.5	8.0	7.0	7.5	8.0	7.0	7.5
30	16.0	14.0	15.0	12.5	11.0	12.0	8.0	6.5	7.0	9.0	7.0	8.0
31	17.0	15.0	16.0	---	---	---	8.0	7.5	8.0	9.5	8.5	9.0
MONTH	23.0	12.5	19.0	20.0	8.5	13.5	13.0	2.5	7.5	11.5	.5	6.0

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	8.0	9.0	10.0	7.0	8.5	19.5	16.0	18.0	23.0	17.5	19.5
2	9.0	8.5	9.0	10.0	7.5	9.0	19.5	17.0	18.0	20.5	18.0	19.5
3	9.0	8.0	8.5	11.5	9.5	10.5	18.5	17.0	17.5	22.0	18.5	20.0
4	8.0	7.0	7.5	12.5	11.0	12.0	17.5	16.5	17.0	22.5	19.0	21.0
5	8.0	7.0	7.5	13.0	11.5	12.5	16.5	15.0	16.0	23.0	20.0	21.5
6	7.0	5.0	6.0	12.0	9.5	10.5	16.0	13.5	14.5	23.0	20.5	21.5
7	6.0	4.5	5.0	9.5	8.0	8.5	---	---	---	21.5	20.5	21.0
8	5.0	4.5	4.5	9.5	7.0	8.0	---	---	---	22.5	19.5	21.0
9	6.0	4.0	5.0	9.0	6.5	7.5	14.0	11.5	12.5	22.5	19.5	21.0
10	6.5	2.5	3.5	9.5	7.5	8.5	13.5	11.5	12.5	22.5	19.5	21.0
11	5.0	4.0	4.5	11.5	9.5	10.5	13.5	11.0	12.5	23.0	19.5	21.5
12	4.5	4.0	4.0	13.5	11.5	12.5	14.0	12.0	13.0	23.0	20.5	21.5
13	5.5	4.0	4.5	14.5	13.5	14.0	15.0	13.0	14.0	24.0	20.5	22.0
14	6.5	4.0	5.5	14.5	13.5	14.0	17.5	15.0	16.0	23.0	21.5	22.5
15	7.5	5.5	6.5	16.5	14.5	15.5	18.0	16.0	17.0	24.5	22.0	23.0
16	11.0	7.5	9.0	18.5	15.5	17.0	19.0	17.0	17.5	25.5	22.5	24.0
17	12.0	10.5	11.5	20.5	18.5	19.5	19.0	17.5	18.5	26.0	23.0	24.5
18	13.0	12.0	12.5	21.0	19.0	20.0	19.0	17.0	18.0	26.0	23.5	24.5
19	13.5	11.5	12.5	21.5	20.0	20.5	17.5	15.5	16.5	26.0	23.0	24.5
20	13.0	11.0	12.0	21.5	20.5	21.0	17.0	16.0	16.5	24.5	23.0	24.0
21	13.0	11.5	12.5	21.0	19.5	20.5	16.5	15.5	16.0	25.0	23.0	24.5
22	13.0	11.0	12.0	20.5	18.5	19.0	16.5	15.0	15.5	25.5	23.5	24.5
23	13.0	11.0	12.0	19.0	16.5	18.0	17.0	14.0	15.5	26.0	23.5	24.5
24	13.0	12.0	12.5	19.0	16.5	17.5	16.5	14.0	15.5	27.0	24.0	25.5
25	12.5	10.5	11.5	17.0	15.5	16.5	16.5	15.5	16.0	26.0	24.0	25.0
26	10.5	8.5	9.5	16.5	14.5	15.0	17.0	15.5	16.5	26.5	24.5	25.5
27	9.0	8.0	8.5	15.0	13.5	14.5	18.5	16.5	17.0	27.0	25.0	26.0
28	8.0	7.0	7.5	14.5	12.0	13.5	20.0	16.5	18.0	28.0	26.0	27.0
29	---	---	---	14.5	12.5	13.5	18.5	16.5	17.5	28.5	26.5	27.5
30	---	---	---	15.0	12.5	13.5	18.5	16.5	17.5	29.5	27.0	28.0
31	---	---	---	16.5	14.5	15.5	---	---	---	28.5	26.5	27.5
MONTH	13.5	2.5	8.5	21.5	6.5	14.0	20.0	11.0	16.0	29.5	17.5	23.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.5	26.0	26.5	29.0	26.5	27.5	30.0	28.5	29.5	29.5	27.5	28.5
2	28.0	25.0	26.5	29.5	26.5	28.0	30.0	28.0	29.0	29.0	27.5	28.0
3	27.0	25.0	26.0	29.0	26.5	28.0	31.0	27.5	29.0	28.5	26.5	27.0
4	26.5	24.5	25.5	29.0	26.5	28.0	30.5	28.0	29.5	27.5	24.5	26.0
5	27.0	24.5	25.5	30.0	27.0	28.5	29.5	28.0	28.5	26.5	23.5	25.5
6	27.5	24.5	26.0	30.5	27.5	29.0	29.5	27.0	28.5	27.0	24.5	25.5
7	27.5	24.5	26.0	30.5	28.0	29.0	29.0	27.5	28.5	27.5	24.0	26.0
8	28.0	25.0	26.5	31.0	28.5	29.5	28.5	27.5	28.0	27.5	24.0	25.0
9	28.5	26.0	27.0	31.5	28.5	30.0	28.5	27.5	28.0	27.5	24.0	26.0
10	28.5	26.5	27.5	30.5	28.5	29.5	29.5	27.0	28.0	27.0	25.0	26.0
11	28.0	25.5	27.0	29.0	27.5	28.5	28.0	25.5	27.0	27.0	25.5	26.0
12	27.0	25.0	26.0	30.0	27.0	28.5	---	---	---	---	---	---
13	27.0	25.0	26.0	29.5	27.0	28.5	---	---	---	---	---	---
14	27.0	24.5	26.0	30.0	27.0	28.5	---	---	---	---	---	---
15	27.5	25.0	26.0	30.0	27.0	28.5	---	---	---	28.5	27.5	28.0
16	26.0	24.5	25.0	29.5	27.0	28.0	---	---	---	29.0	26.5	27.5
17	27.5	24.5	25.5	30.0	27.5	28.5	---	---	---	28.5	25.5	27.0
18	27.5	25.0	26.5	30.5	28.0	29.0	---	---	---	27.5	26.0	26.5
19	27.0	25.0	26.0	31.0	28.5	29.5	28.5	27.0	28.0	27.5	25.5	26.5
20	27.0	24.5	26.0	29.5	27.0	28.5	29.0	27.0	28.0	26.5	25.0	25.5
21	27.0	24.5	26.0	31.0	27.0	29.0	29.0	27.0	28.0	25.0	21.5	23.0
22	27.5	25.0	26.0	31.0	27.5	29.0	28.5	26.5	27.5	22.0	19.5	21.0
23	28.5	25.0	27.0	---	---	---	28.5	27.0	27.5	21.5	18.5	20.0
24	28.5	25.5	27.0	---	---	---	---	---	---	21.0	19.0	20.0
25	28.5	25.5	27.0	---	---	---	---	---	---	21.5	20.0	20.5
26	28.5	26.0	27.0	---	---	---	---	---	---	20.5	19.5	20.0
27	27.5	26.0	26.5	---	---	---	---	---	---	21.0	19.0	20.0
28	27.5	26.0	26.5	---	---	---	---	---	---	21.5	18.5	20.0
29	28.5	26.0	27.0	---	---	---	---	---	---	22.0	19.5	21.0
30	29.5	26.5	27.5	30.0	28.5	29.0	28.5	27.5	28.0	22.5	20.5	22.0
31	---	---	---	30.0	28.0	29.0	29.0	27.0	28.0	---	---	---
MONTH	29.5	24.5	26.5	31.5	26.5	28.5	31.0	25.5	28.5	29.5	18.5	24.5
YEAR	31.5	.5	17.5									

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	30	20	25	25	9.8	10	10	7.6	9.1	15	8.7	10
2	25	15	20	320	10	35	9.1	7.6	8.8	550	8.0	70
3	20	15	15	500	15	60	55	7.6	30	220	85	120
4	20	15	15	250	10	45	25	15	20	---	---	---
5	20	15	20	190	7.6	35	15	10	15	320	270	300
6	25	15	20	300	4.3	40	15	9.8	10	260	180	210
7	20	15	15	7.6	2.2	6.0	250	15	25	200	140	180
8	20	15	15	7.6	1.1	4.2	95	15	35	140	110	120
9	35	15	20	15	2.0	7.0	50	20	25	120	80	95
10	30	15	20	120	4.3	10	25	15	15	90	60	70
11	30	15	20	15	3.3	5.5	20	15	15	65	50	55
12	25	15	15	450	3.3	40	20	15	15	55	45	50
13	25	15	20	30	4.3	7.5	20	15	15	50	35	45
14	25	15	20	10	5.4	8.2	55	15	20	80	30	35
15	60	15	35	25	5.4	7.7	95	15	25	30	20	25
16	150	35	60	75	4.3	10	20	15	15	450	20	100
17	55	25	40	30	3.3	8.2	30	15	15	150	35	65
18	600	50	180	20	4.3	8.1	25	10	20	50	15	30
19	90	35	55	550	7.6	65	25	20	20	340	20	70
20	220	35	55	35	4.3	9.3	20	15	20	---	---	---
21	---	---	---	9.8	4.3	6.2	450	20	60	---	---	---
22	---	---	---	6.5	3.3	5.0	330	30	70	---	---	---
23	---	---	---	340	4.3	35	270	25	55	---	---	---
24	---	---	---	8.7	1.1	4.7	35	20	30	---	---	---
25	---	---	---	5.4	1.1	3.6	25	20	20	---	---	---
26	850	30	190	10	4.3	7.3	25	15	20	---	---	---
27	550	20	65	550	9.8	140	20	10	15	---	---	---
28	750	15	150	20	7.6	10	20	10	15	---	---	---
29	25	15	20	15	6.5	9.1	25	10	15	650	50	260
30	30	15	20	10	7.6	9.0	15	8.7	10	150	120	140
31	340	15	60	---	---	---	45	8.7	15	650	110	150
MONTH	850	15	45	550	1.1	22	450	7.6	23	650	8.0	100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	110	75	90	60	45	50	55	20	25	50	35	45
2	95	60	75	45	30	35	750	45	270	40	30	35
3	140	70	90	50	25	35	120	80	95	35	25	30
4	85	50	60	550	25	75	150	100	130	35	25	30
5	80	55	65	150	20	45	250	130	160	35	25	30
6	80	45	55	350	20	75	140	80	100	30	25	25
7	50	35	40	80	25	35	---	---	---	500	25	70
8	100	30	35	500	25	100	---	---	---	35	20	30
9	450	65	170	45	25	30	55	45	50	30	25	25
10	110	35	60	30	20	25	50	40	45	45	30	35
11	180	110	140	30	20	25	45	35	40	40	30	35
12	130	85	100	80	20	30	45	35	40	35	30	30
13	85	55	70	35	20	25	40	30	35	55	30	40
14	70	50	60	40	9.3	15	35	30	30	70	35	45
15	55	35	45	600	15	140	55	25	35	170	35	60
16	500	35	180	500	60	280	950	35	160	45	35	40
17	210	60	100	360	270	320	600	40	150	95	40	60
18	320	100	220	280	150	200	150	85	120	70	15	45
19	300	220	260	190	110	140	600	150	250	25	9.8	15
20	250	200	230	110	75	90	200	120	150	700	10	170
21	180	100	140	220	40	65	150	120	140	120	40	60
22	110	85	100	160	20	40	150	130	140	130	75	100
23	90	55	75	---	---	---	130	110	120	120	95	110
24	60	35	50	---	---	---	100	80	95	100	75	90
25	35	25	30	---	---	---	80	65	75	290	55	100
26	350	20	150	20	10	15	110	55	65	70	45	55
27	65	30	45	15	10	15	55	50	55	60	45	50
28	55	20	35	25	15	15	55	45	50	60	50	55
29	---	---	---	45	10	20	130	55	70	75	55	65
30	---	---	---	20	10	15	70	45	60	85	65	70
31	---	---	---	500	15	75	---	---	---	500	70	140
MONTH	500	20	100	600	9.3	70	950	20	100	700	9.8	55

02430C17 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	200	130	150	900	60	270	---	---	---	55	35	40
2	180	150	160	80	50	65	---	---	---	75	50	55
3	190	25	90	90	70	80	---	---	---	75	55	65
4	290	25	55	190	45	95	---	---	---	65	50	55
5	40	15	30	100	35	50	65	20	30	65	50	55
6	40	15	30	50	35	40	35	20	30	65	45	55
7	40	20	30	50	30	40	110	3.3	40	65	45	55
8	40	20	30	45	20	35	55	35	45	65	40	50
9	40	20	30	30	20	25	900	40	170	70	45	50
10	40	15	25	35	20	25	210	15	90	65	45	55
11	35	20	25	50	30	35	800	6.5	210	65	45	55
12	95	20	40	50	30	40	---	---	---	---	---	---
13	40	20	30	45	25	35	---	---	---	---	---	---
14	40	20	30	45	25	35	---	---	---	---	---	---
15	45	25	35	65	15	30	---	---	---	---	---	---
16	45	30	35	55	25	30	---	---	---	15	9.8	10
17	40	20	30	40	25	30	---	---	---	15	10	10
18	45	20	30	35	20	25	---	---	---	15	15	15
19	45	25	35	90	20	35	55	30	40	15	15	15
20	40	25	35	45	20	30	80	50	60	20	15	15
21	55	30	40	45	15	25	100	40	50	60	15	30
22	50	20	35	340	30	90	40	30	35	70	40	55
23	35	20	30	---	---	---	50	30	35	60	40	55
24	40	20	30	---	---	---	---	---	---	55	40	50
25	35	20	30	---	---	---	---	---	---	120	45	75
26	35	20	30	---	---	---	---	---	---	150	55	80
27	35	20	30	---	---	---	---	---	---	120	65	95
28	550	25	110	---	---	---	---	---	---	190	55	90
29	75	40	50	---	---	---	---	---	---	90	40	60
30	340	35	90	40	30	35	30	25	30	100	35	55
31	---	---	---	50	20	35	40	30	35	---	---	---
MONTH	550	15	45	900	15	50	800	3.3	65	190	9.8	50
YEAR	950	1.1	60									

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.8	7.1	7.4	7.9	7.4	7.7	9.3	8.6	9.1	9.8	9.6	9.7
2	7.9	7.1	7.5	7.9	7.3	7.7	9.1	8.8	9.0	9.8	9.3	9.6
3	8.0	7.5	7.8	7.9	7.1	7.5	9.0	8.6	8.8	9.8	9.3	9.5
4	8.7	7.9	8.3	7.5	6.7	7.2	9.6	8.9	9.2	8.9	8.4	8.7
5	8.6	7.8	8.2	7.4	6.8	7.1	9.5	9.2	9.4	9.1	8.2	8.7
6	8.1	7.4	7.8	7.3	6.9	7.1	9.5	9.2	9.4	9.3	9.0	9.1
7	7.9	7.4	7.6	7.3	6.5	6.9	10.0	9.4	9.6	9.8	9.0	9.3
8	8.1	7.0	7.5	6.7	6.4	6.6	10.2	9.9	10.0	10.0	9.7	9.8
9	8.3	7.8	8.1	6.5	6.3	6.5	10.2	9.8	10.0	10.1	9.6	9.8
10	8.2	7.9	8.0	7.5	7.0	7.3	10.4	10.1	10.3	11.5	10.3	10.9
11	8.5	8.0	8.2	8.1	7.6	7.9	10.3	9.9	10.1	11.7	11.4	11.5
12	8.4	7.9	8.2	8.6	8.1	8.3	10.2	10.0	10.1	12.5	11.9	12.3
13	8.7	8.1	8.4	8.9	8.4	8.7	10.3	10.2	10.2	12.6	12.5	12.6
14	8.7	8.1	8.4	9.1	8.6	8.9	10.5	10.3	10.4	12.7	12.5	12.6
15	8.7	8.3	8.5	9.3	8.7	8.9	10.8	10.3	10.7	12.6	12.3	12.4
16	8.7	7.9	8.2	9.1	8.7	8.9	11.1	10.1	10.8	12.9	12.4	12.7
17	8.4	7.9	8.1	9.5	9.0	9.2	11.1	10.8	10.9	12.9	12.1	12.5
18	7.9	7.1	7.5	9.5	9.1	9.3	11.4	11.0	11.3	12.1	11.7	11.9
19	7.5	7.1	7.3	9.6	8.2	9.0	11.5	11.2	11.4	11.6	10.4	11.3
20	8.3	7.4	7.9	9.6	9.1	9.4	11.4	11.1	11.2	---	---	---
21	---	---	---	9.9	9.4	9.7	11.3	11.0	11.2	---	---	---
22	---	---	---	9.8	9.3	9.5	11.3	10.7	11.0	---	---	---
23	---	---	---	9.7	9.2	9.4	11.4	11.1	11.3	---	---	---
24	---	---	---	9.6	9.1	9.4	11.1	10.3	10.7	---	---	---
25	---	---	---	9.5	8.6	9.3	10.3	10.0	10.1	---	---	---
26	8.0	7.7	7.9	9.4	9.0	9.2	10.1	10.0	10.0	---	---	---
27	8.0	7.5	7.8	9.9	9.6	9.8	10.3	10.0	10.2	---	---	---
28	8.2	7.9	8.0	9.9	9.5	9.8	10.2	10.0	10.1	---	---	---
29	8.2	7.7	8.0	9.8	9.2	9.5	10.3	10.2	10.3	9.3	8.9	9.1
30	8.1	7.8	8.0	9.5	9.1	9.3	10.2	9.8	10.1	9.7	9.5	9.7
31	8.2	7.6	7.9	---	---	---	9.8	9.6	9.7	9.8	9.7	9.8
MONTH	8.7	7.0	7.9	9.9	6.3	8.5	11.5	8.6	10.2	12.9	4.2	10.6

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.3	10.1	10.2	10.3	9.9	10.1	8.4	7.7	8.2	7.8	7.5	7.6
2	10.5	9.7	10.0	10.2	9.9	10.0	8.3	7.1	7.7	8.0	7.5	7.7
3	9.6	9.4	9.5	10.5	9.8	10.1	7.9	7.0	7.6	7.9	7.5	7.7
4	9.9	9.6	9.8	10.1	9.7	9.9	7.7	7.2	7.4	7.7	7.4	7.5
5	9.8	9.6	9.7	10.1	9.8	10.0	7.9	7.3	7.6	7.7	7.2	7.4
6	10.3	9.8	10.1	10.2	9.9	10.1	8.1	7.8	8.0	7.4	6.9	7.2
7	10.4	10.2	10.3	10.5	10.0	10.3	---	---	---	7.4	6.9	7.1
8	10.5	10.4	10.4	11.3	10.4	10.9	---	---	---	7.8	7.3	7.6
9	10.6	10.4	10.4	11.3	11.1	11.2	9.0	8.4	8.8	7.5	7.1	7.3
10	---	---	---	11.2	10.5	10.9	9.0	8.8	8.9	7.6	7.2	7.4
11	---	---	---	10.5	9.9	10.2	9.1	8.7	8.9	7.5	7.2	7.3
12	---	---	---	9.9	9.3	9.6	9.2	8.9	9.0	7.3	6.9	7.1
13	---	---	---	9.3	9.1	9.1	8.9	8.7	8.8	7.1	6.8	7.0
14	---	---	---	9.1	8.6	9.0	8.8	8.4	8.6	7.0	6.7	6.8
15	---	---	---	8.6	8.2	8.4	8.5	7.9	8.3	6.8	6.6	6.7
16	---	---	---	8.2	7.6	7.8	8.0	7.4	7.8	6.7	6.5	6.6
17	---	---	---	7.6	7.0	7.2	7.8	7.2	7.6	6.7	6.4	6.6
18	---	---	---	7.3	7.1	7.2	7.3	6.8	7.1	6.6	6.2	6.4
19	---	---	---	7.1	6.6	6.9	8.0	6.9	7.4	6.8	6.2	6.5
20	---	---	---	6.9	6.5	6.7	7.7	7.5	7.5	7.4	6.3	6.7
21	---	---	---	7.3	6.8	7.0	8.2	7.8	8.1	6.7	6.2	6.4
22	---	---	---	7.0	6.8	6.9	8.2	8.1	8.2	6.3	6.1	6.2
23	---	---	---	7.2	6.8	7.0	8.2	7.7	8.0	6.4	6.2	6.2
24	8.7	8.2	8.4	7.5	7.1	7.4	8.0	7.8	7.9	6.4	6.0	6.2
25	9.3	8.8	9.1	8.3	7.5	7.9	8.0	7.8	7.9	6.5	5.9	6.2
26	9.4	8.9	9.1	8.5	8.3	8.4	8.0	7.7	7.9	6.2	5.9	6.1
27	9.2	8.8	8.9	8.3	8.1	8.3	8.2	7.9	8.0	6.1	5.8	5.9
28	10.1	9.3	9.7	8.6	8.2	8.4	8.0	7.7	7.8	6.1	5.7	5.9
29	---	---	---	9.0	8.5	8.7	7.8	7.5	7.7	5.9	5.4	5.6
30	---	---	---	9.0	8.7	8.9	7.8	7.6	7.7	5.7	5.4	5.5
31	---	---	---	8.7	8.4	8.6	---	---	---	5.7	5.2	5.3
MONTH	10.6	8.2	9.7	11.3	6.5	8.8	9.2	6.8	8.0	8.0	5.2	6.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.9	5.2	5.5	6.4	5.3	5.7	5.9	5.5	5.6	6.1	5.5	5.8
2	5.7	5.2	5.4	5.8	5.5	5.7	5.6	5.2	5.4	5.4	5.0	5.2
3	6.4	5.0	5.7	5.9	5.4	5.6	5.5	5.1	5.3	5.7	4.9	5.3
4	6.3	5.9	6.1	6.1	5.6	5.9	6.1	4.7	5.4	5.6	5.4	5.5
5	6.7	6.1	6.4	6.2	5.8	6.0	6.2	5.7	5.9	5.7	5.3	5.5
6	6.5	6.1	6.3	6.0	5.5	5.7	6.1	5.8	5.9	5.5	5.2	5.4
7	6.3	6.0	6.2	6.0	5.6	5.8	6.0	5.6	5.8	5.5	5.3	5.4
8	6.3	6.0	6.2	6.0	5.5	5.7	5.8	5.7	5.7	6.2	5.6	5.7
9	6.2	5.9	6.0	5.6	5.3	5.4	6.4	5.9	6.1	6.1	5.9	6.0
10	6.4	5.8	6.1	5.5	5.1	5.3	6.1	5.8	5.9	6.2	5.9	6.0
11	6.3	5.8	6.0	5.5	5.1	5.3	6.9	5.6	6.1	5.9	5.7	5.8
12	6.1	5.7	5.9	5.7	5.3	5.5	---	---	---	---	---	---
13	6.2	5.7	6.0	5.8	5.4	5.6	---	---	---	---	---	---
14	6.2	5.9	6.0	5.8	5.4	5.6	---	---	---	---	---	---
15	6.2	5.8	6.0	6.0	5.5	5.8	---	---	---	---	---	---
16	6.1	5.8	5.9	6.1	5.3	5.7	---	---	---	---	---	---
17	6.3	5.9	6.1	6.2	5.7	5.9	---	---	---	---	---	---
18	6.2	5.7	6.0	6.0	5.6	5.8	---	---	---	---	---	---
19	6.0	5.6	5.8	5.8	5.5	5.6	6.2	5.6	5.9	---	---	---
20	6.2	5.7	5.9	5.8	5.4	5.6	5.6	5.3	5.5	---	---	---
21	6.1	5.8	6.0	5.9	5.2	5.5	5.6	5.1	5.3	---	---	---
22	6.4	5.7	6.0	6.4	5.3	5.7	5.3	5.1	5.2	6.7	6.5	6.6
23	6.4	5.9	6.2	---	---	---	5.3	5.0	5.1	6.8	6.5	6.7
24	6.5	6.0	6.3	---	---	---	---	---	---	6.8	6.6	6.7
25	6.3	6.0	6.2	---	---	---	---	---	---	6.7	6.5	6.6
26	6.3	5.9	6.1	---	---	---	---	---	---	6.7	6.5	6.6
27	6.1	5.8	5.9	---	---	---	---	---	---	6.9	6.5	6.7
28	6.1	5.7	5.9	---	---	---	---	---	---	6.9	6.6	6.7
29	6.0	5.3	5.7	---	---	---	---	---	---	6.9	6.6	6.7
30	6.7	5.7	6.0	5.9	5.5	5.8	6.6	5.8	6.2	6.9	6.5	6.7
31	---	---	---	6.0	5.5	5.7	6.5	6.0	6.3	---	---	---
MONTH	6.7	5.0	6.0	6.4	5.1	5.7	6.9	4.7	5.7	6.9	4.9	6.1
YEAR	12.9	4.7	7.8									

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	29	44	23	---	25	---	22	29	100	10	12
2	21	24	32	27	58	22	---	18	25	68	12	11
3	21	20	29	133	36	20	---	16	34	45	8	8
4	19	14	25	98	52	15	---	21	44	28	7	11
5	20	14	21	135	31	12	44	25	36	23	11	---
6	---	20	20	126	33	19	47	22	34	13	10	---
7	13	20	16	133	36	26	47	15	---	14	8	---
8	12	16	24	94	22	36	34	13	---	13	8	10
9	14	16	26	---	353	24	30	12	---	14	22	18
10	15	18	20	---	247	20	24	12	20	17	49	16
11	16	14	14	---	172	24	26	14	---	14	146	18
12	15	13	14	---	88	37	23	12	---	14	77	40
13	14	14	12	---	77	19	22	11	---	23	84	63
14	16	14	13	---	56	16	19	13	---	20	40	51
15	16	8	13	---	39	94	33	14	---	22	32	44
16	30	8	13	---	152	112	59	12	19	16	20	33
17	23	9	14	---	206	111	52	39	17	14	133	26
18	31	11	14	---	102	129	90	7	13	12	22	26
19	48	10	---	49	102	86	70	8	10	12	21	22
20	46	10	---	47	72	58	56	299	12	12	18	16
21	47	14	---	295	70	55	50	288	10	14	20	20
22	47	15	---	127	44	39	44	99	10	14	22	23
23	---	11	16	696	36	23	40	60	20	28	18	25
24	---	28	16	194	30	19	30	45	12	34	18	38
25	---	24	16	177	26	25	26	41	16	29	20	24
26	32	18	14	168	28	---	22	32	10	13	16	29
27	37	63	13	136	53	---	25	20	17	14	19	30
28	67	48	14	102	36	---	39	22	9	14	18	26
29	62	33	36	---	---	---	25	18	14	11	19	44
30	42	44	18	---	---	---	21	20	36	23	16	28
31	31	---	20	---	---	---	---	18	---	13	12	---
MEAN	29	20	20	153	84	43	38	41	20	23	30	27

WTR YR 1982 MEAN 41 MAX 696 MIN 7

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--Lat 34°28'00", long 88°17'00", in SW¼SE¼ sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on upstream side of bridge on county road, 0.18 mi (0.29 km) south of intersection of county road and blacktop road, 2.7 mi (4.3 km) east-southeast of Moores Mill, and 5.6 mi (9.0 km) southwest of Belmont.

DRAINAGE AREA.--15.7 mi² (40.7 km²).

PERIOD OF RECORD.--June 1975 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 360.36 ft (109.838 m), levels by U.S. Geological Survey.

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 23.1 ft³/s (0.654 m³/s), 19.98 in/yr (507 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 986 ft³/s (27.9 m³/s) Mar. 4, 1977, gage height, 11.16 ft (3.402 m); minimum, 1.6 ft³/s (0.045 m³/s) Aug. 10, 11, 14, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft³/s (9.91 m³/s) and maximum (*), from rating curve extended above 300 ft³/s (8.50 m³/s) on basis of conveyance computation at 12.6 ft (3.84 m):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 23	0515	*813	23.0	10.83	3.301
Apr. 2	1445	508	14.4	9.79	2.984

Minimum discharge, 2.2 ft³/s (0.062 m³/s) July 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	4.3	46	12	31	29	15	17	6.7	18	3.7	3.0
2	3.4	4.1	12	10	27	24	182	15	4.9	5.5	3.0	8.3
3	3.5	4.0	9.3	150	44	21	78	13	4.4	4.4	2.9	6.3
4	3.5	4.0	8.3	70	29	19	43	13	9.3	5.1	2.6	3.5
5	3.5	4.1	7.6	30	23	26	61	11	7.0	7.3	2.5	3.0
6	3.5	4.1	7.4	23	29	37	43	10	5.2	4.4	3.8	2.8
7	3.4	4.2	7.4	18	21	36	34	18	4.3	3.4	3.0	2.6
8	3.4	4.1	7.2	15	20	24	63	19	4.1	3.1	2.7	2.5
9	4.1	4.2	7.0	14	104	20	49	12	3.8	2.3	2.7	2.4
10	4.6	4.2	7.0	12	48	19	34	11	3.8	3.3	2.9	2.4
11	4.1	4.1	7.0	12	36	17	27	9.3	3.7	4.7	46	2.5
12	4.0	4.1	7.0	12	30	16	24	8.1	3.8	4.5	9.8	4.6
13	4.1	4.1	7.0	12	24	15	21	7.4	4.0	3.3	5.8	3.0
14	4.1	4.2	11	12	21	13	22	7.0	3.8	3.3	5.1	4.0
15	4.7	4.2	8.8	12	21	56	22	7.0	3.7	2.3	5.8	3.4
16	4.1	4.2	7.8	14	56	33	66	6.7	5.1	2.8	4.9	3.0
17	4.3	4.2	8.5	22	94	24	101	6.7	5.1	2.7	6.1	2.8
18	9.3	4.2	8.1	20	44	20	57	6.7	4.1	2.6	5.4	2.6
19	4.0	4.4	7.4	16	33	18	119	6.5	3.7	2.5	4.1	2.4
20	3.3	4.6	7.2	92	26	15	94	15	3.7	3.3	3.5	2.4
21	3.3	4.2	13	218	22	21	54	12	3.4	2.9	4.1	2.4
22	3.4	4.4	14	64	18	16	39	7.6	3.8	3.3	4.9	2.4
23	4.9	4.6	14	351	16	13	32	6.7	3.5	5.4	3.5	2.8
24	4.0	5.2	10	70	16	13	27	6.5	3.3	3.4	3.6	3.0
25	4.0	4.7	9.0	43	14	13	25	7.4	3.0	2.3	3.1	8.0
26	5.8	5.2	8.5	30	42	11	32	8.5	2.6	2.5	3.0	4.5
27	9.3	9.5	8.8	23	70	9.3	29	6.7	2.3	2.3	3.3	2.9
28	4.6	4.6	8.6	19	38	9.5	22	6.5	5.1	2.3	3.7	3.1
29	4.3	11	8.4	16	---	9.3	22	6.3	4.7	4.1	3.1	2.4
30	4.6	13	8.2	14	---	10	20	6.1	7.0	5.2	2.9	2.5
31	4.3	---	14	56	---	16	---	6.1	---	5.1	3.0	---
TOTAL	134.5	150.0	315.8	1482	997	626.6	1456	299.8	132.9	130.7	164.3	106.6
MEAN	4.34	5.00	10.2	47.8	35.6	20.2	48.5	9.67	4.43	4.22	5.30	3.55
MAX	9.3	13	46	351	104	56	182	19	9.3	18	46	8.3
MIN	3.1	4.0	7.0	10	14	9.3	15	6.1	2.3	2.3	2.5	2.4
CFSM	.28	.32	.65	3.05	2.27	1.29	3.09	.62	.28	.27	.34	.23
IN.	.32	.36	.75	3.51	2.36	1.48	3.45	.71	.31	.31	.39	.25

CAL YR 1981 TOTAL 3778.0 MEAN 10.4 MAX 210 MIN 1.7 CFSM .66 IN 8.95
WTR YR 1982 TOTAL 5996.2 MEAN 16.4 MAX 351 MIN 2.3 CFSM 1.05 IN 14.21

MOBILE RIVER BASIN

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'32", long 88°21'17", in NW¼NE¼ sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi (4.8 km) northwest of Fairview and 8.8 mi (14.2 km) north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi² (28.7 km²).

PERIOD OF RECORD.--June 1975 to current year.

REVISED RECORDS.--WDR MS-78-1: 1976(P), 1977(P).

GAGE.--Water-stage recorder. Altitude of gage is 313 ft (95 m) from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--7 years, 15.8 ft³/s (0.448 m³/s), 19.33 in/yr (491 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683 ft³/s (19.3 m³/s) Apr. 4, 1977, gage height, 9.37 ft (2.856 m), Sept. 25, 1977, minimum 1.4 ft³/s (0.040 m³/s) Aug. 10, 1981, gage height, 3.69 ft (1.125 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s (7.08 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 23	0600	*497	14.1	8.97	2.734	July 1	0045	286	8.10	8.52	2.597

Minimum discharge, 2.6 ft³/s (0.074 m³/s) Aug. 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.7	34	7.6	14	13	9.9	11	4.0	56	3.7	5.0
2	3.6	3.8	9.2	18	13	12	88	10	4.2	9.6	3.7	6.5
3	3.7	3.8	7.2	143	21	11	26	9.9	3.7	6.9	3.2	6.2
4	3.7	3.8	6.5	35	12	10	14	9.4	40	12	2.9	4.7
5	3.7	3.9	6.3	16	11	12	13	9.0	9.0	12	2.8	4.3
6	3.7	3.8	6.0	13	14	21	11	8.4	6.7	7.0	4.1	4.3
7	3.6	3.8	6.0	11	10	17	20	18	5.8	6.2	3.3	3.9
8	3.6	3.8	5.8	11	10	12	30	13	5.3	5.3	3.1	3.9
9	4.2	3.9	5.8	9.9	56	9.9	22	9.2	5.0	6.3	3.1	3.8
10	4.5	3.9	5.7	9.2	17	9.4	17	8.6	4.7	4.2	3.4	3.6
11	4.2	4.2	5.7	8.4	13	9.2	14	8.0	4.5	7.0	20	3.9
12	4.2	3.3	5.7	8.2	13	8.8	13	7.6	4.7	6.9	8.0	16
13	3.9	3.3	5.7	8.0	12	8.2	12	7.2	4.9	5.2	6.2	9.0
14	3.9	3.6	11	8.0	10	9.2	12	7.0	4.5	5.2	5.8	5.2
15	4.5	3.3	6.9	7.8	11	12	12	6.8	4.3	3.8	5.8	4.3
16	4.3	3.7	6.0	13	38	9.4	38	6.6	5.3	3.1	5.5	4.5
17	3.9	3.7	7.0	17	39	9.2	48	6.5	5.5	2.9	8.8	4.6
18	9.6	3.3	6.2	11	16	9.4	20	6.4	4.7	2.8	7.6	3.9
19	3.8	3.4	8.8	9.4	13	9.6	63	7.0	4.3	2.9	5.7	3.8
20	3.4	3.3	9.6	23	11	9.4	48	10	4.7	4.7	5.0	3.3
21	3.4	3.7	15	71	10	10	23	8.0	4.2	3.1	5.3	3.2
22	3.7	3.7	11	24	9.4	9.4	16	7.0	4.9	4.2	5.7	3.0
23	4.9	3.8	12	143	9.2	9.0	14	6.0	4.3	6.7	4.9	2.8
24	3.9	4.2	7.8	25	9.0	8.8	12	5.6	3.9	4.9	4.5	3.0
25	3.9	3.4	7.2	15	8.8	9.2	12	9.0	3.7	3.3	4.3	4.5
26	6.2	3.4	6.9	14	36	8.9	39	8.0	3.7	2.8	4.3	4.9
27	8.4	11	7.0	12	42	8.2	26	7.0	4.3	2.7	4.3	4.3
28	4.6	5.5	6.5	12	17	8.0	14	6.0	9.9	3.2	6.2	3.8
29	3.9	4.3	6.2	10	---	7.8	16	5.5	7.8	4.1	4.9	3.2
30	3.8	18	6.2	9.9	---	8.0	13	5.0	38	3.6	4.5	3.0
31	3.8	---	10	12	---	9.9	---	4.5	---	4.3	4.7	---
TOTAL	133.7	135.4	260.9	754.4	496.6	318.8	713.9	251.0	220.5	210.9	165.3	140.4
MEAN	4.31	4.51	8.42	24.3	17.7	10.3	23.8	8.10	7.35	6.80	5.33	4.68
MAX	9.6	18	34	143	56	21	88	18	40	56	20	16
MIN	3.2	3.3	5.7	7.6	8.8	7.8	9.9	4.5	3.7	2.7	2.8	2.8
CFSM	.39	.41	.76	2.19	1.60	.93	2.14	.73	.66	.61	.48	.42
IN.	.45	.45	.87	2.53	1.66	1.07	2.39	.84	.74	.71	.55	.47

CAL YR 1981 TOTAL 2970.5 MEAN 8.14 MAX 105 MIN 1.5 CFSM .73 IN 9.95
WTR YR 1982 TOTAL 3799.6 MEAN 10.4 MAX 143 MIN 2.7 CFSM .94 IN 12.73

02430880 CUMMINGS CREEK NEAR FULTON, MS

LOCATION.--Lat 34°18'16", long 88°22'16", in NE¼ sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at the downstream end of bridge on county road, 3.2 mi (5.2 km) northeast of Fulton, and 4.2 mi (6.8 km) upstream from mouth.

DRAINAGE AREA.--19.1 mi² (49.5 km²).

PERIOD OF RECORD.--July 1975 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 295 ft (90 m), from topographic map.

REMARKS.--Records fair. No gage-height record, Apr. 22 to June 1.

AVERAGE DISCHARGE.--7 years, 31.4 ft³/s (0.889 m³/s), 22.33 in/yr (567 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,120 ft³/s (31.7 m³/s) Aug. 11, 1982, gage height, 10.89 ft (3.319 m); minimum, 3.3 ft³/s (0.088 m³/s) Aug. 14, 15, 16, 1981, gage height, 3.69 ft (1.125 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,120 ft³/s (31.7 m³/s) Aug. 11, gage height, 10.89 ft (3.319 m); minimum, 5.3 ft³/s (0.150 m³/s) Oct. 2, 3, gage height, 3.80 ft (1.158 m).

NOTE: Maximum discharge, water year 1978, 969 ft³/s (27.4 m³/s) May 8, 1978, gage height 10.83 ft (3.301 m); not previously published.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	10	69	19	32	37	20	28	10	105	8.9	8.6
2	8.9	11	22	45	31	31	155	26	9.4	26	7.6	11
3	6.2	11	18	238	41	29	61	24	10	16	6.9	13
4	6.2	11	16	80	26	28	43	23	89	45	6.4	9.7
5	6.0	11	15	42	24	27	60	22	21	31	6.6	8.9
6	6.6	11	14	32	31	35	48	21	14	15	17	8.6
7	6.2	11	14	27	23	43	37	60	12	13	9.7	9.5
8	6.9	12	14	22	23	34	157	40	11	12	8.9	8.9
9	10	10	13	20	110	26	68	30	10	11	10	8.6
10	11	10	13	19	38	21	52	25	9.2	11	20	8.9
11	9.2	10	13	18	30	21	42	23	9.2	46	152	9.4
12	8.4	10	13	17	28	20	37	21	10	28	38	22
13	7.9	10	13	17	26	20	35	19	9.7	17	23	20
14	8.1	10	23	16	22	20	34	18	11	14	18	11
15	9.4	10	16	16	23	24	33	20	8.6	12	17	10
16	8.6	11	14	19	31	21	79	19	12	11	15	11
17	8.4	10	16	37	84	26	94	18	10	11	19	11
18	21	10	14	40	46	27	56	17	8.4	11	12	9.4
19	10	10	13	19	36	21	139	17	7.6	10	14	8.9
20	8.9	10	13	31	51	19	88	30	7.6	12	12	8.6
21	8.6	10	31	150	27	19	57	25	7.4	9.4	14	8.4
22	9.4	10	24	60	25	18	45	20	16	9.2	13	8.1
23	12	11	22	200	24	17	37	13	9.2	12	11	8.1
24	10	13	17	80	24	16	35	16	7.6	11	9.4	8.1
25	11	11	16	45	23	21	32	25	7.1	8.1	8.9	11
26	16	11	15	35	61	19	101	20	7.9	7.4	8.9	10
27	19	49	14	28	79	16	65	17	18	7.9	8.4	9.7
28	12	20	14	25	67	15	45	15	24	11	9.4	9.2
29	11	16	14	23	---	15	35	13	15	11	8.6	10
30	11	41	14	22	---	15	32	12	63	9.7	8.1	11
31	10	---	26	67	---	25	---	11	---	15	7.9	---
TOTAL	308.9	401	563	1512	1096	727	1822	693	464.9	569.7	529.6	309.7
MEAN	9.96	13.4	18.2	48.8	39.1	23.5	60.7	22.4	15.5	18.4	17.1	10.3
MAX	21	49	69	238	110	43	157	60	89	105	152	22
MIN	6.0	10	13	16	22	15	20	11	7.1	7.4	6.4	8.1
CFSM	.52	.70	.95	2.56	2.05	1.23	3.18	1.17	.81	.96	.90	.54
IN.	.60	.78	1.10	2.96	2.13	1.42	3.55	1.35	.91	1.11	1.03	.60

CAL YR 1981 TOTAL 6160.6 MEAN 16.9 MAX 139 MIN 4.9 CFSM .89 IN 12.00
WTR YR 1982 TOTAL 8998.8 MEAN 24.7 MAX 238 MIN 6.0 CFSM 1.29 IN 17.53

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'53", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft (300 m) downstream from Twentymile-Fulton Canal, 2.2 mi (3.5 km) west of Fulton, 6.2 mi (10.0 km) upstream from Mantachie Creek Canal, 13.5 mi (21.7 km) downstream from Twentymile Creek Canal, and at mile 421.8 (678.7 km).

DRAINAGE AREA.--612 mi² (1,585 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at site 800 ft (240 m) upstream 1909-12 are contained in reports of National Weather Service. Prior to October 1966, published as East Fork Tombigbee River near Fulton.

REVISED RECORDS.--WSP 1032: 1944. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft (74.045 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft (60 m) upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--54 years, 949 ft³/s (26.88 m³/s), 21.06 in/yr (535 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,200 ft³/s (2,330 m³/s) Mar. 22, 1955, gage height, 25.75 ft (7.849 m), from rating curve extended above 48,000 ft³/s (1,360 m³/s) on basis of estimate of flow made by indirect methods; minimum observed, 11 ft³/s (0.31 m³/s) Nov. 15, 1971 (temporary regulation); minimum unregulated, 12 ft³/s (0.34 m³/s) Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft (0.265 m) Aug. 12, 1930.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 4	1600	9650	273	17.41	5.307	Apr. 20	1900	9020	255	17.33	5.282
Jan. 24	0200	*12000	340	17.73	5.404						

Minimum daily discharge, 67 ft³/s (1.90 m³/s) Oct. 9, 10, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	149	634	217	1150	1890	708	772	287	543	126	110
2	97	143	549	224	1000	1450	1090	676	258	489	105	114
3	78	138	374	1670	1040	1100	4810	575	213	412	93	133
4	90	136	317	7870	1060	916	4810	663	517	497	85	121
5	105	136	276	6950	947	805	3390	393	775	790	30	109
6	102	134	243	3590	916	761	2990	355	485	513	93	102
7	69	129	216	2080	903	975	2200	409	304	324	90	94
8	68	129	202	1230	802	967	1980	1030	226	251	92	88
9	67	128	182	910	1160	922	2650	781	189	205	118	83
10	67	129	168	563	2400	824	2090	645	162	170	405	79
11	68	128	162	400	2040	740	1530	505	142	182	1170	78
12	67	129	162	250	1650	667	1210	411	134	233	1520	83
13	120	128	162	480	1240	607	1030	344	127	172	636	240
14	160	127	169	400	1010	562	924	296	122	141	331	202
15	130	128	164	350	869	832	832	265	116	123	285	165
16	110	131	173	347	949	1460	1040	243	115	111	244	123
17	100	131	177	330	1530	1450	2590	214	116	95	256	176
18	106	133	164	288	1540	2130	4930	202	114	98	302	176
19	120	133	135	447	1660	1970	4750	188	109	95	238	130
20	140	132	134	416	1450	1340	8430	180	116	93	207	110
21	150	129	179	3510	1130	1050	5280	285	121	89	231	100
22	118	130	249	7160	933	1040	2530	292	127	92	203	96
23	122	133	321	8720	796	873	1690	255	101	99	192	94
24	140	140	311	9890	702	785	1230	245	93	102	183	100
25	122	139	286	4230	608	753	1040	595	88	99	168	110
26	138	129	255	2280	625	731	983	1190	84	95	149	100
27	173	208	236	1540	1930	602	1480	998	93	92	135	96
28	192	231	225	1150	2220	516	1150	744	110	95	129	90
29	140	223	210	963	---	457	943	514	137	167	123	82
30	168	243	197	832	---	416	861	367	135	124	118	72
31	157	---	207	969	---	463	---	266	---	123	112	---
TOTAL	3648	4355	7439	70363	34310	30054	71211	14674	5716	6723	8189	3446
MEAN	118	145	240	2270	1225	969	2374	473	191	217	264	115
MAX	192	243	634	9890	2400	2130	8430	1190	775	790	1520	240
MIN	67	127	134	217	608	416	708	180	84	89	30	72
CFSM	.19	.24	.39	3.71	2.00	1.58	3.88	.77	.31	.36	.43	.19
IN.	.22	.26	.45	4.28	2.09	1.83	4.33	.89	.35	.41	.50	.21

CAL YR 1981 TOTAL 144683 MEAN 396 MAX 3270 MIN 69 CFSM .65 IN 8.74
WTR YR 1982 TOTAL 260125 MEAN 713 MAX 9890 MIN 67 CFSM 1.17 IN 15.81

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.14	6.90	10.97	7.90	13.58	15.22	11.49	11.84	8.72	10.51	7.19	7.00
2	6.02	6.82	10.50	7.96	13.00	14.52	12.75	11.31	8.67	10.13	6.94	7.05
3	5.99	6.76	9.32	13.80	13.18	13.47	16.66	10.71	9.08	9.65	6.79	7.27
4	6.06	6.73	8.85	17.14	13.26	12.59	16.69	9.91	10.16	10.19	6.68	7.14
5	6.31	6.73	8.48	17.02	12.74	12.02	16.72	9.56	11.85	11.93	6.62	6.99
6	6.26	6.70	8.17	16.37	12.59	11.73	16.15	9.25	13.13	10.31	6.78	6.90
7	5.72	6.63	7.59	15.38	12.52	12.97	15.56	9.63	8.86	9.01	6.75	6.80
8	5.72	6.64	7.76	14.02	12.00	12.86	15.28	13.14	8.20	8.42	6.78	6.73
9	5.71	6.63	7.57	12.56	13.75	12.62	16.00	11.88	7.35	8.00	7.10	6.66
10	5.71	6.64	7.43	---	15.77	12.12	15.42	11.13	7.58	7.67	7.48	6.60
11	5.73	6.63	7.36	---	15.39	11.67	14.69	10.23	7.37	7.77	13.13	6.53
12	5.71	6.64	7.36	---	14.91	11.25	13.88	9.65	7.28	8.26	14.56	6.72
13	---	6.63	7.36	---	14.03	10.91	13.14	9.17	7.20	7.68	11.06	8.31
14	---	6.62	7.44	---	13.03	10.64	12.63	8.79	7.15	7.36	9.07	7.97
15	---	6.63	7.38	---	12.35	11.91	12.16	8.56	7.08	7.22	8.70	7.40
16	---	6.67	7.48	9.19	12.68	16.55	12.91	8.35	7.06	7.01	8.36	7.21
17	---	6.66	7.52	9.06	14.78	14.56	15.91	8.13	7.08	6.91	8.45	7.72
18	---	6.69	7.38	8.73	14.71	15.48	16.72	7.98	7.05	6.85	8.96	7.73
19	---	6.69	7.07	9.90	14.93	15.28	16.69	7.86	6.99	6.82	8.31	7.24
20	---	6.68	7.05	9.64	14.53	14.27	17.25	7.77	7.07	6.79	8.03	---
21	---	6.64	7.53	15.23	13.58	13.21	16.77	8.65	7.13	6.74	7.97	---
22	6.49	6.65	8.17	17.06	12.66	13.21	15.84	8.76	7.20	6.77	7.99	---
23	6.55	6.67	8.77	17.30	11.97	12.37	14.96	8.45	6.89	6.87	7.98	---
24	6.58	6.78	8.69	17.44	11.46	11.91	13.98	8.38	6.79	6.91	7.30	---
25	6.54	6.77	8.49	16.55	10.92	11.74	13.17	10.55	6.73	6.87	7.65	---
26	6.76	6.64	8.23	15.65	10.99	11.62	12.91	13.83	6.67	6.82	7.45	---
27	7.18	7.54	8.07	14.72	15.12	10.83	14.59	12.98	6.79	6.77	7.29	---
28	7.39	7.79	7.97	13.65	15.58	10.35	13.62	11.69	6.99	6.83	7.23	---
29	7.26	7.72	7.93	12.81	---	9.97	12.72	10.33	7.32	7.64	7.16	---
30	7.12	7.91	7.71	12.16	---	9.69	12.30	9.19	7.28	7.17	7.10	---
31	6.99	---	7.31	12.71	---	10.00	---	8.54	---	7.16	7.03	---
MEAN	---	6.83	8.05	---	13.43	12.44	14.64	9.83	7.70	7.90	8.13	---
MAX	---	7.91	10.97	---	15.77	15.48	17.25	13.83	11.85	11.93	14.56	---
MIN	---	6.62	7.05	---	10.92	9.69	11.49	7.77	6.67	6.74	6.62	---

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEMICAL 30 DAY (MG/L)	ALKALINITY LAB (MG/L AS CACO3)
OCT 14...	1430	160	75	6.9	18.0	32	9.0	.5	3.3	21
NOV 03...	1430	138	80	6.8	13.0	30	8.6	1.3	--	23
FEB 08...	1300	800	90	7.5	3.5	30	12.6	2.5	--	25
MAR 01...	1400	1860	77	7.1	10.5	45	11.3	2.7	--	17
JUN 09...	1230	189	98	6.7	27.5	26	7.1	1.9	--	37
JUL 13...	1330	166	107	7.2	29.0	17	7.8	2.4	--	38
AUG 04...	1130	86	108	7.0	29.0	15	7.5	1.9	--	38
SEP 15...	1030	145	118	6.7	26.5	24	7.4	2.4	--	29

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 14...	.06	.020	.08	.060	.38	.44	.52	.060	.020
NOV 03...	--	<.010	.03	.020	.47	.49	.52	.020	.020
FEB 08...	.15	.040	.19	.060	.81	.87	1.1	.070	.010
MAR 01...	.23	.030	.26	.050	.35	.40	.66	.090	.010
JUN 09...	--	<.010	<.10	.010	.39	.40	--	.080	.020
JUL 13...	--	.010	<.10	.040	.36	.40	--	.070	.070
AUG 04...	--	.020	<.10	.040	.56	.60	--	.050	<.010
SEP 15...	.08	.020	.10	.040	.76	.80	.90	.100	--

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, near left bank on downstream side of bridge on U.S. Highway 78, 0.7 mi (1.1 km) northwest of Tremont, 1.5 mi (2.4 km) upstream from Johns Creek, 1.5 mi (2.4 km) upstream from Cypress Creek, 3.2 mi (5.1 km) upstream from Chubby Creek, and 8.0 mi (12.9 km) southeast of Fulton.

DRAINAGE AREA.--136 mi² (353 km²).

PERIOD OF RECORD.--October 1943 to September 1964; October 1973 to current year (low-water records only).

GAGE.--Water-stage recorder. Datum of gage is 317.39 ft (96.740 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

REMARKS.--Records fair. Discharges over 200 ft³/s (5.66 m³/s) not determined.

AVERAGE DISCHARGE.--21 years (water years 1944-64), 212 ft³/s (6.004 m³/s), 21.17 in/yr (538 mm).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.28 ft (3.438 m) Mar. 21, 1955 (discharge not determined); minimum discharge, 4.6 ft³/s (0.13 m³/s) Sept. 13, 1954, gage height, 1.62 ft (0.494 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 1973 reached a stage of 13.1 ft (3.99 m) from floodmark by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.45 ft (2.271 m) Jan. 4, 23 (discharge not determined); minimum discharge, 11 ft³/s (0.31 m³/s) Oct. 7, gage height, 1.87 ft (0.570 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	43	193	123	199	---	93	146	39	70	35	28
2	13	42	144	96	162	---	190	132	48	110	30	28
3	12	41	91	---	---	189	---	120	35	90	28	45
4	14	41	74	---	---	173	---	109	92	70	27	46
5	14	43	64	---	132	156	---	93	---	63	26	31
6	14	52	58	---	174	152	---	89	120	52	25	26
7	13	46	54	---	161	---	---	89	81	43	28	24
8	13	45	54	173	146	190	---	---	60	33	38	23
9	14	43	50	147	---	163	---	175	52	20	54	21
10	21	39	48	131	---	153	---	137	48	37	100	19
11	31	39	46	115	---	146	---	114	45	39	190	17
12	28	39	48	115	---	139	---	98	42	127	170	20
13	24	39	47	115	---	132	198	86	40	73	150	26
14	24	40	65	115	139	126	184	76	39	51	94	30
15	24	41	110	102	173	126	167	72	37	41	78	26
16	25	40	75	93	197	134	138	63	38	36	60	23
17	26	43	66	102	---	123	---	66	36	34	54	22
18	36	39	68	94	---	118	---	58	35	33	100	26
19	58	39	61	92	---	109	---	53	36	32	90	23
20	43	36	54	98	---	102	---	50	37	31	70	21
21	33	33	58	176	---	93	---	63	35	33	57	18
22	31	43	114	---	175	96	---	62	35	32	73	17
23	34	41	106	---	156	97	---	50	34	34	61	17
24	44	41	91	---	143	84	---	43	33	38	51	18
25	48	46	82	---	132	82	197	46	32	35	45	19
26	55	45	77	---	132	80	192	46	31	34	41	23
27	89	59	74	---	---	74	---	43	33	33	38	25
28	77	114	68	186	---	69	131	39	37	32	36	24
29	58	75	65	164	---	67	164	36	44	45	34	23
30	47	75	61	149	---	65	170	33	54	56	31	20
31	44	---	70	171	---	70	---	30	---	45	28	---
TOTAL	1020	1401	2336	---	---	---	---	---	---	1504	1942	729
MEAN	32.9	46.7	75.4	---	---	---	---	---	---	48.5	62.6	24.3
MAX	89	114	193	---	---	---	---	---	---	127	190	46
MIN	12	36	46	---	---	---	---	---	---	20	25	17
CFSM	.24	.34	.55	---	---	---	---	---	---	.36	.46	.18
IN.	.28	.38	.64	---	---	---	---	---	---	.41	.53	.20

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ sec.30, T.11 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on right bank at downstream side of old crossing 200 ft (60 m) upstream from bridge on State Highway 25, 0.8 mi (1.3 km) upstream from Mississippian Railway bridge, 1.1 mi (1.8 km) north of Smithville, and 3.5 mi (5.6 km) upstream from mouth.

DRAINAGE AREA.--336 mi² (870 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft (71.570 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 561 ft³/s (15.89 m³/s), 22.67 in/yr (576 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft³/s (1,260 m³/s) Mar. 16, 1973, gage height, 18.26 ft (5.566 m); minimum, 19 ft³/s (0.54 m³/s) Aug. 28 to Sept. 3, 1943 (period of doubtful gage-height record), and Sept. 10, 13, 14, 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1926 reached a stage of 15.7 ft (4.785 m), from floodmark, discharge about 29,000 ft³/s (821 m³/s), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 5	2030	5590	158	11.53	3.514	Jan. 25	0430	*6480	184	11.87	3.218

Minimum daily discharge, 41 ft³/s (1.16 m³/s) Oct. 3-6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	98	560	220	728	1380	316	547	114	300	347	98
2	44	90	400	285	737	972	755	453	107	270	225	95
3	41	85	330	1580	698	753	1450	393	111	620	150	95
4	41	82	290	2110	804	653	1720	348	133	450	118	115
5	41	79	260	3780	731	583	2400	309	439	300	102	129
6	41	77	230	4250	614	645	1670	273	546	240	99	100
7	42	77	210	2230	590	797	1220	413	264	210	150	88
8	42	81	200	881	526	826	948	839	135	180	216	83
9	42	81	180	567	962	564	1190	813	148	160	140	78
10	47	78	170	457	1230	575	1620	509	127	200	124	75
11	52	74	165	379	1590	529	2110	369	112	170	519	72
12	57	75	160	307	1460	492	1310	301	103	150	1440	71
13	63	74	150	305	946	462	819	256	98	140	2420	76
14	63	76	170	307	770	437	675	224	93	130	1530	144
15	60	77	180	296	636	471	606	202	91	120	557	129
16	58	78	200	294	737	495	567	183	98	104	391	98
17	57	77	178	305	1220	497	1090	177	89	93	314	84
18	60	76	164	274	1510	585	1490	169	89	87	307	81
19	67	74	159	273	1620	460	1910	152	90	90	490	82
20	74	75	144	296	1120	402	2440	140	94	150	290	79
21	85	76	136	476	797	373	2890	133	77	185	224	73
22	83	74	180	345	651	348	3030	139	89	169	194	69
23	81	75	337	1930	562	329	2640	144	314	148	137	66
24	78	76	266	3150	502	307	1100	124	202	174	172	64
25	78	82	230	5690	462	350	804	119	125	155	150	64
26	83	90	204	3220	433	391	713	129	99	129	139	63
27	94	109	191	1500	1040	305	749	122	87	107	127	66
28	113	120	150	794	1300	273	834	118	128	93	123	74
29	146	140	168	614	---	257	658	109	390	86	115	74
30	117	340	157	519	---	246	590	99	340	101	111	70
31	107	---	177	562	---	274	---	92	---	402	104	---
TOTAL	2102	2753	6696	38696	25064	16128	39754	8402	5010	5914	11635	2555
MEAN	67.8	91.9	216	1248	895	520	1325	271	167	191	375	85.2
MAX	146	340	560	5690	1620	1380	3030	839	544	620	2420	144
MIN	41	74	136	220	462	246	316	92	77	86	99	63
CFSM	.20	.27	.64	3.71	2.66	1.55	3.94	.81	.50	.57	1.12	.25
IN.	.23	.31	.74	4.28	2.77	1.79	4.40	.93	.55	.65	1.29	.28

CAL YR 1981 TOTAL 84972 MEAN 233 MAX 2100 MIN 34 CFSM .69 IN 9.41
WTR YR 1982 TOTAL 164714 MEAN 451 MAX 5690 MIN 41 CFSM 1.34 IN 18.24

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972, 1977 to September 1982 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT									
14...	1350	60	26	6.1	17.0	3.7	8.6	--	12
NOV									
03...	1310	82	30	6.4	17.0	6.1	8.2	2.4	17
FEB									
03...	1345	520	28	6.9	5.0	9.5	12.7	2.0	4.0
AUG									
04...	1030	116	28	5.6	25.5	26	7.3	1.6	9.0
SEP									
15...	0945	131	28	6.0	24.0	11	7.8	1.7	5.0

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT									
14...	--	<.010	.06	.030	.29	.32	.38	.020	.010
NOV									
03...	--	<.010	.02	.020	.21	.23	.25	.020	.030
FEB									
03...	.26	.040	.30	.040	.82	.86	1.2	.020	.010
AUG									
04...	.16	.020	.18	.030	.25	.30	.48	.040	.010
SEP									
15...	.09	.010	.10	.050	.25	.30	.40	.040	.050

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'42", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on State Highway 6, 0.2 mi (0.3 km) upstream from St. Louis-San Francisco Railway bridge, 0.5 mi (0.8 km) southeast of Bigbee, 2.4 mi (3.9 km) northwest of Amory, 3.7 mi (6.0 km) upstream from Town Creek, and at mile 383.1 (616.4 km).

DRAINAGE AREA.--1,226 mi² (3,175 km²).

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

REVISED RECORDS.--WSP 1504: 1946, 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft (57.912 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (station 02437000), 4.0 mi (6.4 km) downstream, used as an auxiliary gage for this station.

REMARKS.--Records fair. Some regulation at low flow by Tennessee-Tombigbee Waterway construction upstream.

AVERAGE DISCHARGE.--29 years, 2,070 ft³/s (58.62 m³/s), 22.93 in/yr (582 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft³/s (3,170 m³/s) Mar. 17, 1973, gage height, 27.64 ft (8.425 m); minimum, 29 ft³/s (0.82 m³/s) Sept. 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of 1973 was the highest since at least 1890. The flood of Mar. 23, 1955, reached a stage of 26.2 ft (7.99 m), from floodmark, discharge, 73,000 ft³/s (2,070 m³/s). Flood of December 1926 reached a stage of 24.2 ft (7.38 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,300 ft³/s (405 m³/s) Jan. 25, gage height, 15.75 ft (4.801 m), only peak above base of 12,000 ft³/s (340 m³/s); minimum discharge, 120 ft³/s (3.40 m³/s) Oct. 7, 8, gage height, 1.99 ft (0.607 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	271	862	573	2170	3540	1070	1820	551	769	944	291
2	141	252	1210	626	2160	3270	1980	1540	567	1340	541	280
3	133	241	1130	3250	2130	2740	4890	1310	498	1210	332	403
4	128	229	773	5890	2200	2290	4460	1130	774	853	298	375
5	124	232	625	5600	2090	1910	5720	973	1910	1280	252	344
6	124	232	542	7930	1890	1740	6830	875	1790	1270	239	294
7	121	228	435	8080	1780	2070	5560	934	1140	953	249	259
8	122	230	448	5380	1650	2110	4410	1630	730	663	368	237
9	131	222	417	3330	2530	1910	4960	1790	551	519	319	223
10	156	217	391	2200	3260	1800	4650	1570	452	433	317	209
11	169	216	362	1530	3490	1680	4810	1220	386	380	1170	200
12	164	213	351	1130	3850	1520	4160	995	344	463	2870	197
13	174	212	355	974	3260	1370	2790	956	319	657	3440	619
14	173	211	479	920	2680	1250	2200	755	303	515	3790	573
15	168	217	526	872	2180	1210	1870	677	287	376	2640	485
16	169	217	529	855	2000	1500	1750	621	287	316	1220	354
17	167	216	497	848	3060	1730	2720	570	232	272	924	331
18	200	217	462	770	3280	2080	4450	533	274	241	1160	402
19	238	218	432	763	3550	2350	5120	490	267	230	1050	344
20	229	219	405	921	3130	2620	7950	455	255	304	813	285
21	260	218	393	1370	2600	2210	9570	431	245	305	650	243
22	231	215	523	2180	2240	1830	10200	528	533	343	702	215
23	216	216	677	5660	1890	1600	8000	558	819	472	581	198
24	210	243	767	8940	1610	1430	5270	495	597	345	524	185
25	207	252	689	12800	1380	1290	3340	801	372	343	470	181
26	234	250	623	12000	1280	1400	2400	1840	288	300	424	177
27	283	342	570	7730	2900	1250	2120	1370	250	264	333	177
28	337	480	534	4550	3130	1080	2370	1300	324	236	339	185
29	386	524	505	2980	---	959	2300	1100	938	361	339	191
30	346	516	474	2160	---	889	2100	815	656	346	332	183
31	300	---	492	2000	---	982	---	589	---	688	309	---
TOTAL	6133	7766	17538	114712	69410	55310	130020	30471	17098	17072	28139	8640
MEAN	199	259	566	3700	2479	1784	4334	983	570	551	908	288
MAX	386	524	1210	12800	3850	3540	10200	1840	1910	1340	3790	619
MIN	121	211	351	573	1280	882	1070	431	245	230	239	177
CFSM	.16	.21	.46	3.02	2.02	1.46	3.54	.80	.47	.45	.74	.24
IN.	.19	.24	.53	3.48	2.11	1.63	3.95	.92	.52	.52	.85	.26

CAL YR 1981 TOTAL 273240 MEAN 762 MAX 4640 MIN 102 CFSM .62 IN 8.44
WTR YR 1982 TOTAL 502359 MEAN 1376 MAX 12800 MIN 121 CFSM 1.12 IN 15.24

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft (120 m) upstream from Kings Creek, 0.2 mi (0.3 km) downstream from Mud Creek; 0.4 mi (0.6 km) downstream from St. Louis and San Francisco Railroad, and 2.0 mi (3.2 km) upstream from Tulip Creek.

DRAINAGE AREA.--233 mi² (603 km²), includes that of Kings Creek.

PERIOD OF RECORD.--October 1970 to current year. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WDR MS 80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft (70.104 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Discharge includes flow of Kings Creek.

AVERAGE DISCHARGE.--12 years, 456 ft³/s (12.91 m³/s), 26.58 in/yr (675 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,600 ft³/s (640 m³/s) May 7, 1978, gage height, 27.08 ft (8.254 m); minimum, 1.9 ft³ (0.054 m³/s) Sept. 13, 1977, gage height, 2.62 ft (0.799 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,840 ft³/s (165 m³/s) Jan. 3, gage height, 21.59 ft (6.581 m), no peak above base of 8,000 ft³/s (227 m³/s); minimum daily, 4.6 ft³/s (0.13 m³/s) Oct. 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	6.4	244	38	233	265	107	183	193	385	15	10
2	5.6	6.4	30	125	170	203	2300	162	123	105	9.3	12
3	5.3	6.4	26	3960	252	183	1370	144	113	33	7.3	30
4	5.3	7.7	18	2480	195	170	379	132	2050	24	6.8	12
5	4.9	7.3	14	557	149	159	657	126	555	72	6.0	8.7
6	4.9	6.3	12	369	177	285	401	121	168	33	8.7	7.3
7	4.9	6.8	12	284	149	317	248	323	100	24	25	6.3
8	5.3	6.4	12	231	134	150	1560	438	78	22	9.3	6.4
9	6.4	6.0	12	195	1820	130	970	187	62	21	28	6.0
10	6.0	6.4	11	125	412	120	356	140	52	32	59	6.0
11	5.3	6.4	11	142	255	110	258	121	45	86	648	5.6
12	4.6	6.9	12	99	206	100	219	111	38	66	367	342
13	4.6	6.9	12	92	178	94	189	99	34	20	217	1790
14	4.9	7.7	17	89	153	90	166	86	30	15	262	136
15	6.0	8.2	25	80	140	86	144	72	28	23	144	50
16	6.4	8.2	24	86	480	239	1440	59	39	20	100	201
17	5.6	8.7	25	57	434	219	2300	53	45	13	50	32
18	55	7.7	23	59	236	371	845	50	33	11	38	20
19	9.3	7.7	21	77	183	168	3050	45	25	9.6	26	17
20	7.7	8.2	20	117	159	149	2260	41	22	8.8	17	14
21	6.8	7.3	38	1470	142	153	752	41	20	8.0	26	11
22	7.3	6.8	72	642	128	155	490	43	39	7.8	72	10
23	7.7	7.3	77	3620	110	132	356	45	20	16	14	9.5
24	6.8	8.2	43	834	105	132	292	39	15	12	10	8.7
25	7.3	8.2	32	469	96	180	237	2390	14	10	9.3	8.7
26	12	7.7	28	343	505	192	466	1060	12	9.0	8.7	8.7
27	12	10	28	274	1500	126	670	360	12	8.4	11	8.2
28	8.7	29	28	239	393	115	287	221	24	18	447	8.2
29	7.7	19	26	203	---	101	263	164	32	24	33	7.7
30	7.7	72	26	164	---	96	217	125	23	16	15	7.7
31	7.3	---	33	279	---	117	---	125	---	26	12	---
TOTAL	254.9	313.5	1062	17739	9132	5113	23229	7357	4094	1187.6	2691.4	2301.5
MEAN	8.22	10.4	34.3	574	326	165	774	237	136	38.3	86.8	93.4
MAX	55	72	244	3960	1820	371	3050	2390	2050	385	648	1790
MIN	4.6	6.0	11	38	96	86	107	39	12	7.8	6.0	5.6
CFSM	.04	.05	.15	2.46	1.40	.71	3.32	1.02	.58	.16	.37	.40
IN.	.04	.05	.17	2.84	1.46	.82	3.71	1.17	.65	.19	.43	.45

CAL YR 1981 TOTAL 53452.5 MEAN 146 MAX 5440 MIN 3.5 CFSM .63 IN 8.53
WTR YR 1982 TOTAL 75029.7 MEAN 206 MAX 3960 MIN 4.6 CFSM .88 IN 11.98

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.69	2.71	6.16	3.05	4.08	4.29	3.34	3.75	3.78	5.08	2.86	2.79
2	2.69	2.71	5.24	3.57	3.67	3.90	11.99	3.63	3.62	3.35	2.77	2.80
3	2.68	2.71	2.97	18.23	4.21	3.75	10.70	3.53	3.37	3.02	2.73	2.99
4	2.69	2.74	2.99	15.33	3.76	3.67	5.15	3.47	12.06	2.95	2.72	2.82
5	2.67	2.73	2.95	6.35	3.56	3.62	6.93	3.44	6.06	3.20	2.70	2.76
6	2.67	2.72	2.92	5.07	3.71	4.49	5.30	3.41	3.66	3.04	2.75	2.73
7	2.66	2.72	2.92	4.44	3.56	4.69	4.18	4.70	---	2.95	2.95	2.72
8	2.68	2.71	2.91	4.05	3.48	---	9.79	5.63	---	2.93	2.77	2.71
9	2.70	2.70	2.91	3.75	11.97	---	9.58	3.77	---	2.92	2.95	2.70
10	2.70	2.71	2.90	3.43	5.36	---	4.97	3.51	---	2.92	3.09	2.70
11	2.69	2.71	2.90	3.56	4.23	---	4.24	3.41	---	3.26	6.34	2.69
12	2.66	2.72	2.91	3.31	3.88	---	3.97	3.36	---	3.19	4.90	3.96
13	2.66	2.72	2.91	3.28	3.72	---	3.78	3.31	---	2.90	3.97	11.71
14	2.67	2.74	2.94	3.27	3.58	---	3.64	3.26	---	2.96	4.30	3.51
15	2.70	2.75	2.95	3.24	3.51	---	3.52	3.21	---	2.97	3.53	3.12
16	2.71	2.75	2.95	3.26	5.76	4.11	10.06	3.16	3.06	2.91	---	3.98
17	2.69	2.76	2.95	3.14	5.95	3.99	13.78	3.13	3.09	---	---	3.01
18	3.10	2.74	2.96	3.16	4.08	5.03	7.97	3.12	3.02	---	---	2.91
19	2.77	2.74	2.92	3.23	3.75	3.65	14.21	3.09	2.96	---	---	2.88
20	2.74	2.75	2.91	3.39	3.61	3.56	14.57	3.07	2.93	---	2.88	2.84
21	2.77	2.75	3.03	10.82	3.52	3.59	7.53	3.07	2.91	---	2.91	2.80
22	2.73	2.72	3.20	6.97	---	3.59	5.93	3.05	3.03	---	3.20	2.79
23	2.76	2.73	3.22	18.15	---	3.47	4.98	3.09	2.91	2.87	2.96	2.78
24	2.72	2.75	3.09	7.91	---	3.47	4.50	3.06	2.96	---	2.79	2.76
25	2.73	2.75	3.01	5.79	---	3.80	4.09	12.75	2.94	---	2.77	2.76
26	2.81	2.76	2.99	4.88	5.26	3.85	5.43	8.91	2.82	---	2.75	2.76
27	2.92	2.79	2.99	4.36	10.98	3.44	6.93	5.00	2.82	---	2.76	2.75
28	2.76	2.99	2.98	6.10	5.24	3.39	4.66	3.98	2.96	2.86	5.56	2.75
29	2.74	2.90	2.97	3.87	---	3.31	4.13	3.64	3.01	2.96	3.31	2.74
30	2.74	3.23	2.97	3.64	---	3.29	3.96	3.44	3.30	2.87	2.96	2.74
31	2.73	---	3.02	4.42	---	3.41	---	3.43	---	2.95	2.92	---
MEAN	2.72	2.76	2.98	5.64	---	---	6.75	4.02	---	---	---	3.20
MAX	3.10	3.23	6.16	18.23	---	---	14.57	12.75	---	---	---	11.71
MIN	2.66	2.70	2.90	3.05	---	---	3.34	3.05	---	---	---	2.69

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02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, on right bank at downstream side of bridge on U.S. Highway 45, 1.5 mi (2.4 km) downstream from Chiwapa Creek (revised), and 2.1 mi (3.4 km) south of Nettleton.

DRAINAGE AREA.--620 mi² (1,606 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304. Prior to October 1970, published as West Fork Tombigbee River near Nettleton.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft (59.134 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1947, at datum 10.00 ft (3.048 m) higher.

REMARKS.--Records good below 2,000 ft³/s (56.6 m³/s) and fair above.

AVERAGE DISCHARGE.--43 years, 939 ft³/s (26.59 m³/s), 20.57 in/yr (522 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s (4,280 m³/s) Mar. 22, 1955, gage height, 33.88 ft (10.327 m); minimum, 0.8 ft³/s (0.023 m³/s) Sept. 14, 15, 1942.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, that of Mar. 22, 1955. Flood of Dec. 24, 1926, reached a stage of 32.5 ft (9.91 m), present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 23	0600	*24600	697	26.40	8.047	Apr. 19	1200	16900	479	24.17	7.367
Apr. 2	1400	23300	660	25.10	7.650						

Minimum daily discharge, 19 ft³/s (0.54 m³/s) Oct. 4, Nov. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	40	1090	105	928	955	376	602	700	1570	97	140
2	20	39	240	101	561	588	7570	509	500	1140	67	128
3	20	38	111	5600	970	553	4620	467	420	265	70	200
4	19	50	74	7100	724	484	1420	450	2850	200	62	130
5	20	38	59	1330	498	457	3250	400	2040	287	58	100
6	20	35	52	1030	598	860	1650	350	591	170	56	85
7	20	30	50	771	529	1820	935	440	450	107	52	80
8	20	26	47	536	433	660	2930	1510	320	85	50	70
9	23	24	45	411	4870	484	3420	617	220	102	80	68
10	37	23	43	259	1790	418	1310	450	170	230	120	62
11	35	22	40	290	928	373	896	400	140	359	720	60
12	32	21	40	411	712	336	708	360	130	359	920	290
13	28	20	38	429	636	302	591	340	120	138	393	3440
14	26	20	54	422	491	276	518	300	110	95	2150	743
15	26	19	56	353	429	333	454	270	107	93	1280	585
16	25	26	53	200	1980	632	3360	220	114	71	501	2000
17	25	24	54	227	2550	511	6900	190	125	61	426	451
18	162	22	51	217	936	1690	3540	170	106	59	591	262
19	85	21	47	188	621	629	8030	150	88	56	230	302
20	53	21	50	248	491	444	8120	140	85	55	158	200
21	46	20	99	3250	444	376	2850	130	73	87	128	150
22	42	19	164	2150	370	393	1740	120	1180	58	188	130
23	40	22	212	13300	320	302	1270	160	246	78	100	120
24	38	33	130	3750	260	262	1010	130	111	67	90	100
25	37	36	96	1620	220	246	828	2640	85	60	80	96
26	48	32	30	1210	990	477	1450	2690	74	56	74	92
27	66	326	75	908	4960	232	1730	1030	78	54	70	83
28	58	146	74	763	1550	195	932	743	603	53	1470	84
29	50	84	70	636	---	179	759	600	924	135	511	80
30	65	150	66	525	---	170	800	480	166	67	240	78
31	62	---	93	986	---	217	---	440	---	119	175	---
TOTAL	1229	1425	3443	49927	30739	15949	73967	17497	13226	6333	11207	10414
MEAN	39.6	47.5	111	1607	1098	514	2466	564	441	204	362	347
MAX	162	326	1090	13300	4960	1820	8120	2690	2850	1570	2150	3440
MIN	19	19	38	101	220	170	376	120	73	53	50	60
CFSM	.06	.08	.18	2.59	1.77	.83	3.98	.91	.71	.33	.58	.56
IN.	.07	.09	.21	2.99	1.84	.96	4.44	1.05	.79	.38	.67	.62

CAL YR 1981 TOTAL 123405 MEAN 352 MAX 3620 MIN 19 CFSM .57 IN 7.70
WTR YR 1982 TOTAL 235256 MEAN 645 MAX 13300 MIN 19 CFSM 1.04 IN 14.12

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1968, 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	ALKALINITY LAB (MG/L AS CACO3)
OCT									
14...	1630	23	496	8.9	18.0	17	14.4	8.2	130
NOV									
05...	1030	44	710	8.5	20.0	28	15.4	12	170
FEB									
09...	1600	6810	141	8.1	6.0	300	12.4	5.3	55
AUG									
03...	0900	70	321	8.6	27.5	25	9.8	7.0	103
SEP									
13...	1100	4700	115	7.8	24.0	170	5.4	4.0	43

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT									
14...	.84	.260	1.1	.110	1.2	1.30	2.4	1.30	.900
NOV									
05...	.58	.200	.78	3.20	.20	3.40	4.2	4.80	4.10
FEB									
09...	.31	.130	.44	.250	.95	1.20	1.6	.500	.120
AUG									
03...	.10	.040	.14	.020	1.3	1.30	1.4	.360	.360
SEP									
13...	.57	.030	.60	.050	.95	1.00	1.6	.630	.090

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC					
17...	1145	54	55	8.0	--
JAN					
04...	1645	6800	618	11300	--
FEB					
04...	1100	694	271	508	--
MAR					
04...	1000	167	142	64	--
APR					
02...	1305	12000	3600	117000	--
02...	1500	23000	2810	175000	--
02...	1600	20000	2530	137000	57
02...	1800	16500	1580	70400	--
03...	0800	5600	590	8920	73
03...	1325	3900	594	6250	--
15...	1045	417	118	133	--
AUG					
19...	1250	213	1060	610	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM	SED. SUSP. FALL DIAM. % FINER THAN .500 MM
APR									
02...	1500	64	68	72	76	81	92	99	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM
DEC								
17...	1147	25.0	0	1	13	87	97	--
17...	1149	50.0	0	0	11	74	98	--
17...	1151	75.0	0	1	12	84	99	--
JAN								
04...	1647	25.0	0	0	8	99	100	--
04...	1649	50.0	0	0	5	80	99	--
04...	1651	75.0	0	0	4	73	99	--
APR								
02...	1602	25.0	0	1	14	79	99	100
02...	1604	50.0	0	0	9	95	100	--
02...	1606	75.0	0	0	3	64	96	99

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'07", long 88°33'03", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi (0.5 km) downstream from Town Creek, 3.5 mi (5.6 km) west of Amory, and at mile 378.9 (609.7 km).

DRAINAGE AREA.--1,928 mi² (4,994 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft (54.358 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft (460 m) upstream at same datum. Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (station 02437500), 20 mi (32 km) downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years, 3,064 ft³/s (86.77 m³/s), 21.58 in/yr (548 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s (4,590 m³/s) Mar. 17, 1973, gage height, 34.65 ft (10.561 m); minimum discharge, 45 ft³/s (1.27 m³/s) Sept. 20, 1954; minimum gage height, 0.77 ft (0.235 m) Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft (10.21 m) and the flood of Dececember 1926 reached a stage of 31.5 ft (9.60 m), from Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 24	0030	*18400	521	23.81	7.257	Apr. 20	1400	17900	507	23.65	7.209

Minimum discharge, 150 ft³/s (4.25 m³/s) Oct. 6, 7, gage height, 4.82 ft (1.469 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	285	1750	676	3520	4640	1440	2880	1080	2090	1150	384
2	170	267	1580	698	3090	4260	4460	2440	884	2420	622	350
3	163	257	1350	7960	3250	3730	11900	2060	696	1720	492	480
4	158	251	874	14200	3300	3240	7050	1740	2070	1100	417	438
5	154	257	709	9220	2910	2780	7500	1470	4380	1590	367	374
6	153	260	615	7610	2710	2670	8160	1280	2630	1620	359	328
7	153	252	557	7700	2610	4300	6490	1240	1740	1190	373	294
8	156	251	521	6170	2310	3190	6090	3200	1060	835	459	273
9	166	244	539	4330	6030	2750	8920	2690	788	680	429	259
10	198	240	465	3080	6380	2500	6310	2310	643	604	438	247
11	199	241	438	2120	4450	2350	5510	1760	556	783	1220	237
12	189	239	426	1600	4510	2110	5010	1380	503	807	3700	237
13	193	237	438	1360	4200	1980	3950	1140	465	811	3510	3440
14	193	237	570	1260	3620	1680	3220	961	437	653	4570	1490
15	191	242	615	1170	3050	1670	2760	853	410	524	4790	784
16	193	243	594	1160	3570	2340	4040	776	403	462	2000	2170
17	191	240	570	1140	6030	2430	8330	705	413	412	1230	383
18	293	243	537	1010	4720	3770	9620	665	397	381	1850	624
19	340	243	505	999	4310	3330	9510	609	373	365	1290	574
20	266	245	490	1110	3990	3180	17100	560	357	415	977	452
21	276	244	480	3730	3670	2930	14000	538	337	444	751	375
22	254	241	687	5210	3040	2550	11600	610	1420	450	831	325
23	245	241	844	12100	2590	2170	9490	636	1220	601	663	292
24	239	267	907	15600	2220	1890	6970	567	720	471	570	270
25	238	285	743	12400	1890	1580	5020	2070	472	459	512	258
26	259	279	702	12100	1870	1990	4160	4700	334	412	464	248
27	322	505	640	8830	7390	1630	4510	2580	356	386	422	242
28	347	660	604	6040	5690	1340	3850	2040	568	357	1460	243
29	384	560	574	4250	---	1170	3570	1640	2290	511	879	246
30	351	569	544	3220	---	1080	3320	1160	919	459	510	234
31	311	---	570	3160	---	1070	---	816	---	693	447	---
TOTAL	7115	8825	21438	161213	106920	78300	203890	48076	29021	24715	37792	17049
MEAN	230	294	692	5200	3819	2526	6796	1551	967	797	1219	568
MAX	384	660	1750	15600	7390	4640	17100	4700	4380	2420	4790	3440
MIN	153	237	426	676	1870	1070	1440	538	337	357	359	234
CFSM	.12	.15	.36	2.70	1.98	1.31	3.53	.80	.50	.41	.63	.30
IN.	.14	.17	.41	3.11	2.06	1.51	3.93	.93	.56	.48	.73	.33

CAL YR 1981 TOTAL 433142 MEAN 1187 MAX 11600 MIN 153 CFSM .62 IN 8.36
WTR YR 1982 TOTAL 744353 MEAN 2039 MAX 17100 MIN 153 CFSM 1.06 IN 14.36

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.93	5.43	8.96	6.62	12.03	13.95	8.47	10.95	7.72	9.56	7.79	5.87
2	4.93	5.40	8.74	6.68	11.30	13.31	12.93	10.21	7.30	10.16	6.65	5.74
3	4.89	5.36	8.27	17.27	11.58	12.39	21.23	9.58	6.81	8.95	6.03	6.18
4	4.96	5.33	7.21	22.29	11.66	11.55	17.47	9.03	9.30	7.73	5.75	6.06
5	4.84	5.36	6.71	19.51	11.00	10.78	17.37	8.52	13.49	8.74	5.56	5.84
6	4.96	5.37	6.43	18.20	10.56	10.60	18.72	8.16	10.62	8.30	5.52	5.66
7	4.83	5.34	6.24	18.27	10.49	13.38	16.91	8.09	9.00	7.91	5.58	5.52
8	4.85	5.34	6.12	16.34	10.00	11.47	16.12	11.49	7.70	7.05	5.91	5.43
9	4.91	5.30	6.02	13.43	15.69	10.73	19.32	10.63	7.06	6.63	5.80	5.37
10	5.08	5.29	5.93	11.29	16.56	10.31	16.56	10.00	6.69	6.40	5.83	5.32
11	5.09	5.29	5.83	9.68	13.97	10.07	15.36	9.06	6.47	6.91	7.78	5.27
12	5.03	5.28	5.79	8.76	13.74	9.67	14.55	8.35	6.28	6.99	12.34	5.27
13	5.06	5.27	5.83	8.28	13.21	9.28	12.77	7.87	6.15	7.00	12.02	11.85
14	5.04	5.27	6.29	8.03	12.20	8.93	11.52	7.49	6.06	6.55	13.80	8.51
15	5.04	5.29	6.43	7.84	11.25	8.90	10.74	7.23	5.97	6.14	14.12	7.06
16	5.06	5.30	6.37	7.86	12.13	10.04	12.84	7.04	5.94	5.92	9.47	9.71
17	5.04	5.29	6.29	---	16.14	10.20	18.70	6.86	5.98	5.73	8.16	7.26
18	5.48	5.30	6.18	---	14.08	12.43	19.32	6.75	5.92	5.61	9.20	6.63
19	5.70	5.30	6.07	7.43	13.39	11.71	19.39	6.59	5.83	5.54	8.18	6.49
20	5.40	5.31	5.98	7.75	12.85	11.46	23.36	6.45	5.77	5.74	7.51	6.11
21	5.45	5.30	5.98	12.34	11.95	11.03	22.20	6.33	5.69	5.85	6.98	5.84
22	5.35	5.29	6.65	14.87	11.21	10.39	21.17	6.59	6.02	5.87	7.18	5.65
23	5.31	5.29	7.09	20.44	10.45	9.76	19.78	6.67	6.02	6.37	6.74	5.51
24	5.28	5.41	7.25	22.82	9.84	9.29	17.41	6.47	6.39	5.95	6.48	5.42
25	5.27	5.48	6.92	21.52	9.29	8.92	16.56	9.28	6.17	5.90	6.30	5.37
26	5.37	5.46	6.69	21.38	9.25	9.46	13.16	14.02	5.87	5.73	6.15	5.32
27	5.63	6.17	6.51	19.25	17.82	8.82	13.73	10.44	5.77	5.63	6.01	5.29
28	5.73	6.73	6.40	16.14	15.61	8.26	12.60	9.54	6.27	5.51	6.26	5.30
29	5.87	6.45	6.30	13.29	---	7.87	12.12	8.84	9.94	6.05	7.26	5.31
30	5.75	6.47	6.20	11.53	---	7.67	11.70	7.92	7.28	5.90	6.29	5.26
31	5.59	---	6.29	11.42	---	7.66	---	7.14	---	6.56	6.39	---
MEAN	5.21	5.48	6.58	---	12.48	10.33	16.10	8.50	7.20	6.75	7.63	6.18
MAX	5.87	6.73	8.96	---	17.82	13.95	23.36	14.02	13.49	10.16	14.12	11.85
MIN	4.83	5.27	5.79	---	9.25	7.66	8.47	6.33	5.69	5.51	5.52	5.26

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-64, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT 14...	1600	190	110	7.1	18.5	19	9.9	.5	3.6	29
NOV 05...	1325	261	119	7.8	19.5	22	10.2	4.3	--	31
FEB 03...	1445	2300	120	7.5	5.0	32	12.7	1.9	--	34
MAR 01...	1515	4620	105	7.6	10.0	70	11.6	2.7	--	31
JUN 09...	1040	799	125	7.2	27.5	34	7.9	2.1	--	49
JUL 13...	1115	791	119	7.4	29.0	37	7.6	2.9	--	45
AUG 03...	1015	499	113	7.0	23.0	30	7.6	2.3	--	30
SEP 13...	1150	4120	125	7.9	24.5	260	4.4	5.3	--	37

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT 14...	.15	.040	.19	.030	.57	.65	.84	.150	.070
NOV 05...	.10	.030	.13	.020	.71	.73	.86	.180	.140
FEB 03...	.21	.050	.26	.120	.82	.94	1.2	.110	.030
MAR 01...	.32	.040	.36	.100	.45	.55	.91	.130	.070
JUN 09...	--	<.010	.10	.010	.19	.20	.30	.140	.050
JUL 13...	.16	.030	.19	.090	.51	.60	.79	.150	.140
AUG 03...	.12	.010	.13	.060	.34	.40	.53	.050	.060
SEP 13...	.65	.150	.80	.180	.52	.70	1.5	.960	.070

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS

LOCATION.--Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 45, 1.3 mi (2.1 km) downstream from St. Louis-San Francisco Railway bridge, 1.5 mi (2.4 km) east of Aberdeen, 2.0 mi (3.2 km) downstream from Matubby Creek, 6 mi (10 km) downstream from Halfway Creek, and 13.3 mi (21.4 km) upstream from McKinley Creek.

DRAINAGE AREA.--2,171 mi² (5,623 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1958, October 1958 to September 1971 (annual maximums only), October 1971 to current year. Daily mean gage-heights published since October 1971. Gage-height records collected at site 1.3 mi (2.1 km) upstream since 1909 are contained in reports of National Weather Service.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 154.71 ft (47.156 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Nov. 5, 1934, nonrecording gage at site 1.3 mi (2.1 km) upstream, and Nov. 6, 1934 to Aug. 30, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records fair above 1,000 ft³/s (28.3 m³/s) and poor below due to variable backwater from Columbus Lock and Dam. Some regulation at low flow by Tennessee-Tombigbee Waterway construction upstream.

AVERAGE DISCHARGE.--41 years, 3,279 ft³/s (92.86 m³/s), 20.51 in/yr (521 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft³/s (3,480 m³/s) Mar. 18, 1973, gage height, 45.02 ft (13.722 m); maximum gage height, 45.3 ft (13.81 m) Mar. 23, 1955, at former site; minimum discharge, 58 ft³/s (1.64 m³/s) Sept. 1, 2, 1943; minimum gage height, 0.77 ft (0.235 m) Sept. 12, 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood on Apr. 20, 1892, reached a stage of 44.8 ft (13.6 m) at former site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,100 ft³/s (456 m³/s) Apr. 21, gage height, 28.32 ft (8.632 m); maximum gage height, 28.38 ft (8.650 m) Jan. 4; minimum daily discharge, 170 ft³/s (4.81 m³/s) Oct. 6, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	310	1030	743	3210	4720	1140	3540	1300	2010	1000	400
2	190	290	1640	764	2730	3740	2510	2960	1000	2350	700	350
3	185	280	1420	6350	2910	3240	7940	2550	800	2200	550	520
4	180	280	1030	14200	3090	2810	8480	2240	1000	1410	450	450
5	175	290	783	14000	2670	2430	7280	2000	4250	1380	400	400
6	170	280	662	11500	2460	2420	7160	1900	3220	1790	330	360
7	170	270	538	9460	2450	3940	6490	1800	2360	1460	400	330
8	175	265	537	7810	2190	3320	5340	3470	1500	1100	520	300
9	185	265	498	5560	3970	2630	5540	3360	1000	800	430	290
10	210	260	471	3350	6320	2220	5960	2800	800	700	500	280
11	220	260	441	2220	5110	2100	4930	2330	650	800	1000	270
12	210	260	433	1670	3950	1900	4160	1700	580	900	2620	260
13	210	255	444	1630	3660	1740	3430	1400	540	1000	3020	1100
14	200	255	751	1310	3220	1630	2670	1200	500	800	3360	2650
15	220	260	872	1240	2730	2320	2180	1050	480	600	4560	1080
16	230	265	716	1200	2850	3880	2130	900	450	500	2830	1400
17	240	265	699	1210	4960	3480	5010	800	480	450	1430	1500
18	350	260	615	1190	4790	4330	7520	750	450	420	1440	720
19	400	260	573	1030	3760	3290	9120	700	430	400	1340	580
20	360	260	522	1150	3400	2760	11800	640	410	430	1090	555
21	370	265	525	2310	3010	2540	14100	600	400	450	800	420
22	290	265	635	5920	2620	2280	13100	700	450	500	900	360
23	270	270	831	8630	2260	1980	11200	740	1500	600	800	310
24	260	290	994	13200	1980	1750	8900	640	1000	640	700	270
25	270	300	912	15000	1710	1630	6280	700	600	500	600	240
26	310	320	809	12500	1630	1660	3960	4040	450	450	540	230
27	360	321	728	11600	4950	1560	3550	3300	400	420	500	220
28	400	695	667	9170	6160	1610	3240	2340	380	400	800	230
29	430	640	591	5870	---	1510	2890	1900	2080	560	1200	240
30	370	633	577	3380	---	1340	3170	1400	1630	500	700	220
31	330	---	607	2700	---	1190	---	1100	---	560	450	---
TOTAL	8130	9389	22651	178167	94800	78050	180130	55550	31100	27060	36150	16535
MEAN	262	313	731	5747	3386	2518	6006	1792	1037	873	1166	551
MAX	430	695	1640	15000	6320	4720	14100	4040	4250	2350	4560	2650
MIN	170	255	433	743	1630	1190	1140	600	380	400	330	220
CFSM	.12	.14	.34	2.65	1.56	1.16	2.77	.83	.48	.40	.54	.25
IN.	.14	.16	.39	3.05	1.62	1.34	3.09	.95	.53	.46	.62	.28

CAL YR 1981 TOTAL 456713 MEAN 1251 MAX 10200 MIN 170 CFSM .58 IN 7.83
WTR YR 1982 TOTAL 737752 MEAN 2021 MAX 15000 MIN 170 CFSM .93 IN 12.64

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.95	7.15	10.03	9.27	15.46	18.72	10.33	14.33	---	11.20	9.29	8.05
2	7.89	7.13	11.62	9.33	14.62	16.70	13.54	13.15	---	11.92	8.93	7.97
3	7.89	7.15	11.05	20.30	14.74	15.52	23.41	12.33	---	11.61	8.33	7.90
4	7.92	7.19	10.17	28.16	15.18	14.49	23.98	11.70	---	9.96	8.11	8.09
5	7.92	7.27	9.38	28.06	14.18	13.57	22.77	---	15.74	9.90	7.98	7.94
6	---	7.34	9.05	26.47	13.65	13.56	22.63	---	13.68	10.76	8.63	7.84
7	---	7.37	8.35	24.87	13.66	17.12	21.77	---	11.95	10.08	8.63	7.30
8	---	7.42	8.72	23.31	13.00	15.71	19.89	14.17	---	9.21	8.23	7.25
9	---	7.48	8.61	20.22	16.38	13.83	20.24	13.96	---	8.69	8.18	7.24
10	---	7.50	8.54	15.78	21.54	13.07	20.97	12.84	10.04	8.63	8.10	6.96
11	---	7.56	8.47	13.06	19.46	12.77	19.15	11.97	9.01	8.93	8.29	6.71
12	---	7.62	8.45	11.69	17.15	12.28	17.61	---	8.87	8.99	12.46	6.46
13	---	7.70	8.47	11.08	16.52	11.86	15.97	---	8.79	9.15	13.29	8.89
14	6.57	7.76	9.29	10.75	15.47	11.53	14.17	---	8.72	8.80	13.96	11.23
15	6.44	7.84	9.61	10.59	14.32	13.26	12.99	---	7.92	8.46	16.34	7.95
16	6.31	7.90	9.20	10.47	14.59	16.95	12.83	---	8.57	8.34	12.99	8.69
17	6.22	7.93	9.15	10.50	19.19	16.00	19.14	---	7.53	8.14	10.11	8.89
18	6.26	7.97	8.93	10.46	18.37	17.94	23.03	---	7.92	8.00	10.02	6.99
19	6.91	8.03	8.81	10.03	16.74	15.64	23.61	---	8.55	7.98	9.33	6.59
20	6.76	8.02	8.68	10.34	15.91	14.33	26.60	---	8.39	7.99	9.25	6.52
21	6.53	8.01	8.59	13.03	14.97	13.84	28.11	---	8.36	8.14	8.71	6.18
22	6.54	8.02	8.98	19.67	14.05	13.22	27.47	---	9.65	8.22	8.51	5.95
23	6.41	8.06	9.50	22.12	13.17	12.48	26.20	---	10.77	8.76	8.61	6.02
24	6.35	8.07	9.93	26.59	12.47	11.90	24.36	---	9.39	8.92	8.31	5.97
25	6.39	8.17	9.72	27.59	11.79	11.59	21.38	---	8.73	8.37	8.18	6.07
26	6.49	8.18	9.45	27.15	11.58	11.66	17.15	15.32	8.39	8.15	8.14	6.10
27	6.80	8.19	9.23	26.51	13.93	11.67	16.25	13.83	8.27	8.06	8.04	6.20
28	7.04	9.14	9.06	24.59	21.28	11.53	15.52	11.89	8.20	7.96	8.34	6.31
29	7.22	8.99	8.86	20.69	---	11.28	14.70	---	11.36	8.00	9.61	6.40
30	7.31	8.97	8.32	15.83	---	10.85	15.36	---	10.42	8.21	8.40	6.49
31	7.20	---	8.90	14.23	---	10.45	---	---	---	8.20	8.14	---
MEAN	---	7.86	9.23	17.83	15.68	13.72	19.70	---	---	8.96	9.48	7.24
MAX	---	9.14	11.62	28.16	21.54	18.72	28.11	---	---	11.92	16.34	11.23
MIN	---	7.13	8.45	9.27	11.58	10.45	10.33	---	---	7.96	7.98	5.95

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEMICAL 30 DAY (MG/L)	ALKALINITY LAB (MG/L AS CACO3)
OCT 14...	1030	204	132	6.9	19.0	21	9.2	1.1	5.5	40
NOV 04...	1230	280	110	7.4	18.5	21	9.2	1.8	--	29
FEB 09...	1400	5300	135	7.2	6.0	170	12.2	2.8	--	48
MAR 01...	1610	5200	105	7.4	9.5	95	11.0	2.9	--	33
JUN 09...	0930	830	112	7.2	27.0	40	7.5	1.8	--	43
JUL 13...	1000	1060	116	7.3	27.5	37	7.1	3.2	--	43
AUG 03...	1200	630	76	7.1	28.0	37	7.4	1.8	--	26
SEP 13...	1330	1560	210	7.4	25.5	--	3.1	5.4	--	--

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 14...	.21	.030	.24	.040	.54	.58	.82	.160	.050
NOV 04...	.14	.020	.16	.030	.57	.60	.76	.070	.050
FEB 09...	.34	.060	.40	.140	9.6	9.70	10	.300	.040
MAR 01...	.31	.050	.36	.170	.18	.35	.71	.190	.020
JUN 09...	.18	.020	.20	.020	.48	.50	.70	.140	.060
JUL 13...	--	<.010	<.10	.040	.36	.40	--	.020	.020
AUG 03...	.11	.010	.12	.050	.45	.50	.62	.050	.050
SEP 13...	1.0	.060	1.1	.090	.91	1.00	2.1	1.20	.050

02437560 NICHOLS CREEK NEAR ABERDEEN, MS

LOCATION.--Lat 33 43 53 , long 88 29 20 , in SW sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 45, 0.1 mi (0.2 km) northwest of intersection of U.S. Highway 45 and State Highways 8/25, and 3.1 mi (5.0 km) southeast of Aberdeen.

DRAINAGE AREA.--24.1 mi2 (62.4 km2).

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT									
14...	1215	4.9	36	6.3	16.5	6.4	9.1	.2	9.0
NOV									
04...	1020	5.1	40	6.7	17.5	6.9	8.0	1.2	20
FEB									
09...	1330	135	33	6.8	7.0	34	11.6	3.0	10
AUG									
03...	1115	11	42	6.4	25.5	22	7.8	1.9	15
SEP									
13...	1510	4.4	45	6.3	25.0	8.4	6.9	1.4	17

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT									
14...	--	<.010	.07	.040	.43	.47	.54	.050	<.010
NOV									
04...	.02	.010	.03	.020	.55	.57	.60	<.010	.020
FEB									
09...	.12	.040	.16	.050	.87	.92	1.1	.080	.020
AUG									
03...	.14	.010	.15	.030	.42	.50	.65	.030	.010
SEP									
13...	.19	.010	.20	.050	.35	.40	.60	.030	.030

02437600 JAMES CREEK AT ABERDEEN, MS

LOCATION.--Lat 33 48 48 , long 88 33 59 , in SE sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on State Highway 25, 0.8 mi (1.3 km) southwest of Aberdeen, and 1.5 mi (2.4 km) southwest of intersection of State Highway 25 and State Highway 8/U.S. Highway 45.

DRAINAGE AREA.--28.4 mi2 (73.6 km2).

PERIOD OF RECORD.--Water years 1963, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT									
14...	1120	<.05	440	8.3	17.0	1.3	10.8	5.8	51
FEB									
09...	1430	306	130	7.7	6.5	320	12.0	3.3	52
AUG									
03...	1300	--	580	8.5	32.0	44	11.8	3.0	56

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT									
14...	--	<.010	.04	.050	2.4	2.40	2.4	.120	.010
FEB									
09...	.67	.190	.85	.230	.87	1.10	2.0	.390	.110
AUG									
03...	--	.010	<.10	.120	1.2	1.30	--	.040	.020

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW¼ sec.3, T.15 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on county highway, 10.0 mi (16.1 km) downstream from Sipsey Creek, and 13.7 mi (22.0 km) southeast of Aberdeen.

DRAINAGE AREA.--798 mi² (2,067 km²).

PERIOD OF RECORD.--July 1966 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft (67.291 m) Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 1,438 ft³/s (40.72 m³/s), 24.47 in/yr (622 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,000 ft³/s (2,270 m³/s) Mar. 17, 1973, gage height, 23.48 ft (7.157 m), observed at crest; minimum, 117 ft³/s (3.31 m³/s) Sept. 16, 1972, gage height, 4.26 ft (1.298 m).

EXTREMES OUTSIDE THE PERIOD OF RECORD.--Floods in 1892 and 1893 reached stages of 21 ft (6.4 m), and floods Feb. 4, 1951, and Mar. 30, 1951, reached stages of 19.46 ft (5.931 m) and 19.56 ft (5.692 m), respectively, from information by local residents; flood of April 12, 1962, reached a stage of 19.01 ft (5.794 m), from floodmark; all at present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s (170 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 5	0800	*24300	688	18.87	5.752	Apr. 20	0200	9330	264	15.56	4.743
Jan. 25	2200	9530	270	15.63	4.764	Apr. 22	0500	8650	245	15.31	4.666

Minimum discharge, 161 ft³/s (4.56 m³/s) Oct 4, 5, 6, gage height, 4.64 ft (1.414 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	244	628	749	1670	3460	888	1820	381	991	846	251
2	167	240	1110	1020	1810	3640	1120	1530	493	1120	1190	242
3	165	227	1070	4290	1670	2570	1980	1310	515	951	914	236
4	162	225	695	11300	1930	1850	2690	1160	461	639	573	258
5	161	227	528	22500	2080	1580	2910	1030	808	563	437	266
6	161	239	445	15100	1850	1530	2720	935	1370	799	500	237
7	162	255	398	8200	1720	1860	3000	879	1040	582	1230	220
8	164	252	374	4940	1640	2480	2830	1180	642	448	1860	211
9	172	238	357	3140	1670	2710	2110	1740	504	377	1280	203
10	201	228	341	1960	2160	2120	2270	1420	433	339	778	197
11	270	227	323	1450	2720	1680	2460	1020	380	349	673	192
12	291	222	315	1150	2780	1490	1910	869	350	540	1110	191
13	240	223	313	1080	2080	1360	1510	763	328	379	1710	195
14	204	222	498	1110	1730	1250	1330	685	334	563	1560	205
15	192	221	1340	1070	1490	1280	1230	631	336	503	1210	213
16	185	222	1430	1030	1550	2180	1130	593	312	530	972	209
17	180	223	922	1050	2210	2350	1290	641	330	415	790	200
18	197	226	772	950	2850	2970	2260	663	340	368	725	195
19	238	236	719	924	3570	2280	4940	551	351	362	728	193
20	300	229	596	997	3400	1660	8680	511	324	325	594	187
21	262	246	521	1080	2230	1390	7900	502	287	364	434	180
22	220	264	579	1730	1700	1250	8300	582	267	354	424	174
23	205	252	849	2960	1450	1150	6750	524	285	453	397	170
24	205	242	863	3390	1270	1050	4850	459	515	649	336	168
25	229	255	737	7120	1160	986	3390	434	330	572	346	163
26	259	281	700	7930	1120	1170	2560	435	305	429	315	227
27	349	285	690	4920	1790	1300	2350	507	283	363	295	256
28	635	484	626	2860	2650	1050	2530	551	497	307	291	208
29	377	1020	582	1900	---	925	2390	478	767	277	273	196
30	303	678	535	1550	---	863	2020	416	1130	263	231	189
31	263	---	522	1450	---	833	---	378	---	296	265	---
TOTAL	7093	8634	20369	121300	55920	54767	92298	25202	14798	15974	23477	6233
MEAN	229	288	657	3913	1997	1767	3077	813	493	515	757	208
MAX	635	1020	1430	22500	3570	3640	8680	1820	1370	1120	1860	266
MIN	161	221	313	749	1120	833	888	378	267	263	265	163
CFSM	.29	.36	.82	4.90	2.50	2.21	3.86	1.02	.62	.65	.95	.26
IN.	.33	.40	.95	5.65	2.61	2.55	4.30	1.17	.69	.74	1.09	.29

CAL YR 1981 TOTAL 258382 MEAN 708 MAX 3210 MIN 156 CFSM .89 IN 12.04
WTR YR 1982 TOTAL 446064 MEAN 1222 MAX 22500 MIN 161 CFSM 1.53 IN 20.79

02437600 BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS

LOCATION.--Lat 33 40 24 , long 88 25 45 , in SW sec.16, T.16 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160103, at downstream side of bridge on U.S. Highway 45, 1.8 mi (2.9 km) northwest of Kolola Springs, and at mile 8.6 (13.8 km).

DRAINAGE AREA.--855 mi2 (2,214 km2).

PERIOD OF RECORD.--Water years 1963-64, 1977 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT									
13...	1530	E267	31	6.9	19.0	19	8.7	.4	13
NOV									
04...	0800	E239	36	6.6	17.0	15	8.5	.7	18
FEB									
03...	1615	E1720	28	6.9	6.5	14	12.3	2.2	3.0
AUG									
03...	1410	E944	29	6.5	28.0	88	7.0	.7	7.0
SEP									
14...	1000	E220	35	5.9	25.0	19	7.3	1.6	9.0

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT									
13...	--	<.010	.10	.030	.29	.32	.42	.030	.010
NOV									
04...	--	<.010	.10	.020	.38	.40	.50	<.010	<.010
FEB									
03...	.23	.040	.27	.020	.96	.98	1.3	.060	.050
AUG									
03...	.15	.010	.16	.090	.41	.50	.66	.030	.030
SEP									
14...	.19	.010	.20	.050	.35	.40	.60	.040	.020

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft (3 m) downstream from bridge on old State Highway 25, 560 ft (170 m) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mi (1.1 km) north of Tibbee, 4.5 mi (7.2 km) upstream from Magee Creek, 5.0 mi (8.0 km) south of West Point, and 9.8 mi (15.8 km) upstream from Catalpa Creek.

DRAINAGE AREA.--926 mi² (2,398 km²).

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to January 1981 , February 1981 to current year (high water records only). Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

REVISED RECORDS.--WSP 1504: 1929-30. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft (46.961 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft (170 m) downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

REMARKS.--Records poor. Discharges below 500 ft³/s not determined.

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft³/s (38.03 m³/s), 19.70 in/yr (500 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s (2,310 m³/s) Mar. 17, 1973, gage height, 32.26 ft (9.833 m); no flow at times many years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1926 reached a stage of 31.5 ft (9.60 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft³/s (283 m³/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft³/s)	(m³/s)	(ft)	(m)	Date	Time	(ft³/s)	(m³/s)	(ft)	(m)
Jan. 4	1630	*40100	1140	28.33	8.635	Apr. 5	1445	13200	373	23.74	7.236
Jan. 24	2015	14600	413	24.08	7.340	Apr. 21	0100	31400	889	27.17	8.281

Minimum discharge, not determined.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	---	1630	4640	---	1330	---	1030	---	
2			---	---	1710	2800	587	770	---	---	---	
3			---	5000	1710	901	2500	---	---	---	---	
4			---	32100	2020	593	5970	---	1540	---	---	
5			---	28600	1530	---	12300	---	1020	---	---	
6			---	15900	905	896	11100	---	---	---	---	
7			---	9020	951	2530	7510	561	---	---	---	
8			---	4580	790	3640	4830	1800	---	---	---	
9			---	1000	1370	2770	1830	1040	---	---	---	
10			---	---	2770	1010	941	---	---	---	---	
11			---	---	4270	607	620	---	---	561	---	
12			---	---	4130	---	---	---	---	---	---	
13			---	---	1690	---	---	---	---	---	---	
14			---	---	821	---	---	---	---	---	---	
15			714	---	641	---	---	---	---	---	681	
16			---	---	1360	1240	---	---	---	---	753	
17			---	---	3190	2350	1050	---	---	---	641	
18			---	---	4530	3450	2400	---	---	---	---	
19			---	---	3150	3270	5980	---	---	---	---	
20			---	---	1100	1490	23000	---	---	---	---	
21			---	580	620	---	28300	---	---	---	---	
22			---	2360	---	---	19400	---	---	---	---	
23			---	5950	---	---	11100	---	---	---	---	
24			---	12300	---	---	5640	---	---	---	---	
25			---	12400	---	---	1770	---	---	---	---	
26			---	9270	---	---	854	---	---	---	---	
27			---	5980	2420	---	655	---	---	---	---	
28			---	2090	4330	---	607	---	---	---	---	
29			---	568	---	---	537	---	---	---	---	
30			---	517	---	---	2460	---	---	---	---	
31			---	785	---	---	---	---	---	---	---	
TOTAL			---	---	---	---	---	---	---	---	---	
MEAN			---	---	---	---	---	---	---	---	---	
MAX			---	---	---	---	---	---	---	---	---	
MIN			---	---	---	---	---	---	---	---	---	
CFSM			---	---	---	---	---	---	---	---	---	
IN.			---	---	---	---	---	---	---	---	---	

02441390 TOMBIGBEE RIVER AT COLUMBUS LOCK AND DAM, NEAR COLUMBUS, MS

LOCATION.--Lat 33°31'05", long 88°29'19", in NW¼ sec.11, T.18 S., R.19 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at control tower on right bank of lock, downstream from Tibbee Creek, 3.5 mi (5.6 km) northwest of Columbus, 4.1 mi (6.6 km) upstream from 02441500 Tombigbee River at Columbus, 6.4 mi (10.3 km) upstream from Luxapallila Creek, and at mile 323.8 (521.0 km).

DRAINAGE AREA.--4,440 mi² (11,500 km²).

PERIOD OF RECORD.--October 1899 to December 1912. August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to April 1981, published as "02441500 Tombigbee River at Columbus". Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service, and 1972 to present at site 02441500 Tombigbee River at Columbus.

GAGE.--Water-stage, gate-position, and lockage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to April 1, 1982, water-stage recorder at site 4.1 mi (6.6 km) downstream at datum 128.91 ft (39.292 m) higher (see 02441500 Tombigbee River at Columbus).

REMARKS.--Records fair except those below 1,000 ft³/s (2.8 m³/s), which are poor. Reservoir is formed by earth fill dam with concrete spillway with five 60 ft (18.3 m) wide tainter gates with sill elevation of 138.0 ft (42.06 m) and 110 ft (33.5 m) by 600 ft (182.9 m) lock with maximum lift of 27 ft (8.2 m) at normal pool elevation of 163.0 ft (49.68 m). Minimum flow structure with manually operated gates and maximum discharge of about 300 ft³/s (8.5 m³/s) at normal pool. Storage began Jan. 16, 1981; dam completed Jan. 29, 1981. Capacity 59,500 acre-ft (73.36 hm³) at normal pool. Regulation for maintenance of navigational pool only. Beginning April 1, 1981, daily discharge computed from relation between discharge, head, gate openings, lockages, and minimum flow structure.

AVERAGE DISCHARGE.--67 years, 6,510 ft³/s (184.4 m³/s), 19.91 in/yr (506 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft³/s (5,490 m³/s) Mar. 19, 1973, gage height, 42.22 ft (12.869 m), site and datum then in use; minimum daily, 140 ft³/s (3.96 m³/s) Sept. 16-20, 1954; minimum gage height observed, -0.1 ft (-0.030 m) Oct. 9-12, 1911, site and datum then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft (52.73 m) NGVD at site 3.93 mi (6.32 km) downstream, discharge 278,000 ft³/s (7,870 m³/s) estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60,800 ft³/s (1,722 m³/s) Jan. 6, gage height 161.77 ft (49.307 m); minimum daily discharge, 146 ft³/s (4.13 m³/s) Oct. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	433	211	1900	2020	7910	15500	3110	8960	1900	6580	1950	1060
2	528	233	2870	1970	7820	12300	6530	6460	1760	3600	2280	1020
3	263	295	2450	28900	8830	9470	13800	4790	2850	3740	2040	824
4	238	276	2410	47900	8610	7780	17900	4200	6420	2860	1480	913
5	241	309	1210	59400	7640	6000	26100	3760	6750	1870	1170	916
6	200	375	1400	59300	6470	7440	26900	3230	5130	2570	2320	2400
7	532	298	1150	46600	6040	11900	22400	4140	4400	2220	2000	384
8	613	286	1190	27300	5840	10900	15300	8230	2610	1700	2000	438
9	1310	294	1160	14300	9230	9460	12800	7040	1890	1450	2310	996
10	1620	322	739	9530	13000	7500	12100	5340	1400	1850	2000	1300
11	1470	302	854	5550	14000	6320	10600	4230	1700	3330	1360	1460
12	1560	333	1050	4240	12900	4960	9600	3570	1390	2660	3880	1930
13	1430	312	984	3390	10000	4590	8060	2750	1190	2350	5560	2630
14	1340	247	2300	3050	7820	4270	6100	2460	1290	2020	7060	4390
15	1550	253	2530	3200	5850	4580	5140	2330	686	1500	8550	3310
16	2120	270	2090	3190	9090	9010	4440	2200	1260	1440	6550	2770
17	2040	275	2590	2380	12800	9230	9780	1960	1530	1320	3730	1470
18	1130	250	1550	3130	14700	12800	14200	2100	1410	1160	3040	321
19	425	299	1320	2330	12400	11700	24800	1760	1370	557	2820	235
20	159	445	945	3180	7500	8190	39900	1630	501	1010	2130	264
21	193	413	1670	4460	8290	6070	56200	1430	859	1220	1820	215
22	178	449	1130	11600	6930	5440	51300	1900	574	2030	1740	227
23	216	456	1730	23300	5670	4810	40000	1780	2640	2160	1430	245
24	152	481	2020	26900	4720	4120	29700	1360	1420	1700	1130	246
25	146	554	2030	30100	4370	3980	20000	1280	1380	1570	1400	294
26	147	753	1630	30200	4870	3530	12400	4770	1150	1340	978	265
27	205	1080	1600	29000	12100	3890	8980	4980	760	1180	948	278
28	187	930	1570	21300	16800	3460	8530	3330	1220	969	1040	267
29	212	1560	1160	13600	---	3160	9360	2980	2660	317	2250	276
30	213	1910	1180	8480	---	3030	13500	2380	3690	1420	1200	224
31	196	---	1910	6780	---	3200	---	2170	---	2130	767	---
TOTAL	21365	14504	50432	538580	255300	218590	541530	109500	63790	62723	79023	31568
MEAN	689	483	1627	17370	9118	7051	18050	3532	2126	2023	2549	1052
MAX	2120	1910	2870	59400	16800	15500	56200	8960	6750	6580	8550	4390
MIN	146	211	739	1970	4370	3030	3110	1280	501	557	767	215
CFSM	.16	.11	.37	3.91	2.05	1.59	4.07	.80	.48	.46	.57	.24
IN.	.18	.12	.42	4.51	2.14	1.83	4.54	.92	.53	.53	.66	.26

WTR YR 1982 TOTAL 1986905 MEAN 5444 MAX 59400 MIN 146 CFSM 1.23 IN 16.65

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02441400 TOMBIGBEE RIVER NEAR COLUMBUS, MS

LOCATION.--Lat 33 27 40 , long 88 27 40 , in SW sec.18, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 82, 1.7 mi (2.7 km) upstream from bridge on U.S. Highway 45E, 1.6 mi (2.6 km) west of Columbus, and at mile 321.7 (517.6 km).

DRAINAGE AREA.--4,451 mi2 (11,528 km2).

PERIOD OF RECORD.--Water years 1974-76, 1978 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

REMARKS.--Stream discharge determined at station 02441500 prior to Apr. 1, 1981, and at station 02441390 thereafter. In water years 1958-59, 1961-65, 1967, and 1971-74, equivalent data was collected 2.0 mi (3.2 km) downstream (station 02441500).

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL 30 DAY (MG/L)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT 13...	1045	1470	150	7.2	20.0	19	8.5	.6	2.8	35
NOV 04...	1700	300	145	8.8	19.0	16	13.2	2.6	--	37
FEB 09...	1145	3900	115	7.2	6.5	62	13.7	2.1	--	17
MAR 01...	1730	16100	120	7.5	9.0	90	1.2	7.4	--	40
JUN 09...	0800	3080	112	6.4	26.0	50	6.7	2.1	--	41
JUL 13...	0830	2460	128	7.3	23.5	26	7.2	2.9	--	46
AUG 04...	0845	1480	121	6.6	23.5	32	6.9	1.8	--	32
SEP 14...	1315	4640	123	6.7	23.0	27	8.3	1.7	--	23

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT 13...	.09	.010	.10	.050	.37	.42	.52	.060	.020
NOV 04...	.12	.030	.15	.040	.82	.86	1.0	.040	.010
FEB 09...	.15	.060	.21	.170	1.0	1.20	1.4	.060	.020
MAR 01...	.53	.060	.59	.130	.57	.75	1.3	.370	.150
JUN 09...	.36	.040	.40	.090	19	19.0	19	.130	.080
JUL 13...	.15	.030	.19	.170	.53	.70	.88	.090	.090
AUG 04...	.05	.080	.13	.030	.42	.50	.63	.080	.010
SEP 14...	.18	.020	.20	.030	.47	.50	.70	.100	.020

02441400 TOMBIGBEE RIVER NEAR COLUMBUS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 13...	1100	930	170	270	200	70	1.8
MAR 01...	4400	4100	300	170	130	40	.1

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
OCT 13...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.01	<.01	<.01
MAR 01...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.01	<.01	<.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 13...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
MAR 01...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 13...	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.01	<.01
MAR 01...	<.01	<.01	<.01	<1	<.01	.08	<.01	<.01	<.01

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft (370 m) downstream from bridge on old U.S. Highway 45E and 82, 1,800 ft (550 m) upstream from Gulf, Mobile, and Ohio Railroad bridge, 2.3 mi (3.7 km) upstream from Luxapallila Creek, 4.1 mi (6.6 km) downstream from 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus, 6.7 mi (10.8 km) downstream from Tibbee Creek, and at mile 319.7 (514.4 km).

DRAINAGE AREA.--4,463 mi² (11,560 km²).

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to March 1981; April 1981 to current year (gage heights only). Monthly discharge only for some periods, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area, WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-03, 1950.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft (39.292 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi (0.3 km) of present site, at datum 4.00 ft (1.219 m) higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 mi (6.0 km) upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi (3.4 km) upstream from base gage at datum 128.82 ft (39.264 m) NGVD.

REMARKS.--Stage affected since Dec. 27, 1979, by Aliceville Lock and Dam 32.0 mi (51.5 km) downstream, normal pool elevation 136.0 ft (41.45 m) NGVD and since Jan. 16, 1981, by Columbus Lock and Dam, 4.1 mi (6.6 km) upstream.

AVERAGE DISCHARGE.--See 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus.

EXTREMES FOR PERIOD OF RECORD.--See 02441390.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft (52.73 m) NGVD at site 1,100 ft (335 m) upstream (corresponding stage at gage about 44 ft or 13.4 m), discharge 268,000 ft³/s (7,590 m³/s) (corrected) estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--See 02441390. Maximum gage height, 29.21 ft (8.903 m) Jan. 6; minimum, 6.77 ft (2.063 m) Aug. 21.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.37	7.40	7.61	7.60	9.51	13.62	7.66	10.55	7.52	8.33	7.55	7.41
2	7.34	7.40	7.94	7.71	9.74	12.28	8.66	9.23	7.49	8.00	7.58	7.40
3	7.33	7.41	7.88	15.29	10.10	13.39	11.99	8.60	7.74	7.86	7.59	7.36
4	7.30	7.34	7.68	23.58	10.15	9.82	13.49	8.27	8.90	7.59	7.42	7.34
5	7.30	7.36	7.49	28.50	9.79	9.10	16.35	8.05	9.02	7.70	7.41	7.40
6	7.29	7.33	7.53	28.86	9.30	9.30	17.31	7.93	8.56	7.65	7.63	7.61
7	7.30	7.39	7.49	26.04	9.23	11.67	15.96	8.10	8.24	7.58	7.60	7.49
8	7.42	7.40	7.41	19.45	8.96	11.53	14.27	9.68	7.74	7.49	7.58	7.36
9	7.50	7.34	7.42	14.14	10.09	10.80	12.16	9.21	7.59	7.44	7.60	7.48
10	7.50	7.33	7.38	11.01	11.86	9.82	11.48	8.62	7.65	7.59	7.55	7.44
11	7.47	7.35	7.41	9.17	12.52	9.13	10.96	8.19	7.50	7.86	7.65	7.49
12	7.55	7.39	7.44	8.47	12.07	8.59	10.35	7.96	7.50	7.70	8.01	7.60
13	7.56	7.42	7.47	8.09	10.97	8.48	9.71	7.76	7.53	7.60	8.38	7.79
14	7.58	7.33	7.66	7.93	9.77	8.34	8.91	7.69	7.63	7.56	9.04	8.14
15	7.54	7.36	7.73	8.05	9.19	8.23	8.54	7.62	7.65	7.44	9.48	7.89
16	7.67	7.36	7.70	7.99	10.32	10.00	8.33	7.56	7.49	7.47	9.03	7.67
17	7.62	7.33	7.74	7.89	12.32	9.93	10.10	7.53	7.47	7.43	8.00	7.51
18	7.40	7.37	7.47	8.02	13.25	11.59	12.26	7.54	7.44	7.41	7.78	7.33
19	7.24	7.38	7.47	7.86	12.52	11.36	15.95	7.50	7.49	7.38	7.90	7.30
20	7.30	7.32	7.49	7.98	11.10	10.01	22.10	7.48	7.43	7.42	7.56	7.30
21	7.30	7.35	7.65	8.25	10.23	8.84	26.86	7.47	7.36	7.42	7.05	7.29
22	7.31	7.40	7.53	11.23	9.47	8.67	26.35	7.55	7.65	7.61	6.98	7.28
23	7.28	7.43	7.52	15.83	8.97	8.36	22.96	7.50	7.49	7.62	7.03	7.31
24	7.32	7.33	7.57	18.16	8.51	8.24	19.07	7.45	7.45	7.57	7.38	7.30
25	7.38	7.43	7.61	19.07	8.24	8.12	15.30	7.46	7.41	7.46	7.41	7.29
26	7.38	7.49	7.58	18.93	8.33	7.88	12.31	8.23	7.40	7.45	7.41	7.27
27	7.35	7.44	7.58	18.47	11.23	8.03	10.50	8.45	7.44	7.39	7.38	7.31
28	7.35	7.43	7.55	15.92	13.86	7.92	10.07	7.85	7.54	7.33	7.40	7.32
29	7.41	7.52	7.41	12.81	---	7.85	9.71	7.81	7.89	7.33	7.58	7.36
30	7.34	7.62	7.67	10.41	---	7.81	12.40	7.70	8.75	7.51	7.43	7.34
31	7.37	---	7.65	9.34	---	7.78	---	7.59	---	7.56	7.36	---
MEAN	7.40	7.39	7.57	13.62	10.42	9.48	13.73	8.07	7.71	7.58	7.69	7.45
MAX	7.67	7.62	7.94	28.86	13.86	13.62	26.86	10.55	9.02	8.38	9.48	8.14
MIN	7.24	7.32	7.38	7.60	8.24	7.73	7.66	7.45	7.36	7.33	6.98	7.27

CAL YR 1981 MEAN 7.97 MAX 19.27 MIN 6.79
WTR YR 1982 MEAN 9.00 MAX 28.86 MIN 6.98

02443000 LUXAPALLILA CREEK AT STEENS, MS

LOCATION.--Lat 33 33 35 , long 88 18 55 , in NE sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on left bank at downstream side of highway bridge, 0.2 mi (0.3 km) southeast of Steens, 1.0 mi (1.6 km) upstream from Yellow Creek, and 6.5 mi (10.5 km) northeast of Columbus.

DRAINAGE AREA.--309 mi2 (800 km2).

PERIOD OF RECORD.--Water years 1964, 1974-75, 1982 to September 1982 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT									
13...	1330	102	28	6.2	19.0	18	8.2	.4	9.0
NOV									
03...	0830	97	35	7.1	16.5	8.0	8.6	1.3	13
FEB									
09...	0900	677	30	6.2	7.0	13	10.4	2.3	4.0
AUG									
03...	1545	202	36	6.6	27.0	22	7.3	1.0	10
SEP									
14...	1125	76	33	6.8	25.0	8.8	7.5	1.4	6.0

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT									
13...	--	<.010	.08	.040	.34	.38	.46	.030	.020
NOV									
03...	--	<.010	.04	.020	.41	.43	.47	<.010	<.010
FEB									
09...	.15	.030	.18	.040	.64	.68	.86	.030	.010
AUG									
03...	--	<.010	.14	.030	.27	.30	.44	.010	.010
SEP									
14...	--	<.010	.10	.030	--	--	--	.020	.020

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'50", long 88°23'44", in NW¼SW¼ sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on right bank at Columbus Water Works pumping plant, 175 ft (53 m) upstream from bridge on county highway (formerly State Highway 50), 0.6 mi (1.0 km) upstream from Magby Creek, 1.4 mi (2.3 km) upstream from U.S. Highway 82 and 6.2 mi (10.0 km) upstream from mouth.

DRAINAGE AREA.--715 mi² (1,852 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1930, October 1974 to current year.

REVISED RECORDS.--WSP 1304: 1929, 1930 (Monthly values only). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 142.23 ft (43.352 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 3, 1974, nonrecording gage at same site. September 1928 to September 1930 at undetermined datum, but believed to be same as present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 1,224 ft³/s (34.66 m³/s), 23.25 in/yr (591 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft³/s (1,140 m³/s) Apr. 14, 1979, gage height, 32.35 ft (9.860 m); minimum, since October 1974, 66 ft³/s (1.87 m³/s) Oct. 4, 5, 1981, gage height, 6.96 ft (2.121 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, 35.3 ft (10.76 m) April 1892, from information by Corps of Engineers. The flood of January 1949, reached a stage of 32.8 ft (10.00 m) and the flood of December 1961, reached a stage of 31.8 ft (9.69 m), according to information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 5	0730	*24700	700	28.19	8.592	Apr. 21	1600	10800	306	22.56	6.876

Minimum discharge, 66 ft³/s (1.87 m³/s) Oct. 4, 5, gage height, 6.96 ft (2.121 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	195	500	637	1250	3620	564	1550	201	777	317	132
2	74	177	649	911	1290	2800	740	1330	223	625	453	124
3	70	165	716	2870	1330	2140	1530	1090	298	560	393	122
4	69	170	604	12600	1730	1640	1900	917	427	422	324	125
5	69	170	490	22700	1790	1360	2360	788	721	317	256	138
6	71	176	390	14900	1520	1310	2990	681	773	262	227	125
7	73	220	324	7490	1410	1940	3190	619	641	209	430	112
8	79	226	291	3230	1330	2440	2220	622	518	175	550	105
9	91	211	272	2100	1470	2060	1910	616	391	156	491	99
10	119	193	253	1580	1730	1560	1600	606	278	158	365	95
11	132	182	235	1270	1930	1410	1300	564	217	243	391	92
12	274	179	236	1050	1630	1230	1090	474	217	406	321	96
13	267	173	234	940	1650	1110	934	414	532	406	284	96
14	215	169	342	930	1270	1030	842	363	603	360	460	95
15	169	167	598	935	1120	969	782	331	612	298	430	95
16	165	165	828	960	1700	915	933	305	472	239	439	101
17	134	166	727	956	3190	1050	1310	276	360	258	425	99
18	137	168	611	940	4460	1050	2010	256	406	289	928	155
19	133	166	519	894	3850	1030	3510	239	572	256	1050	138
20	157	160	442	919	2930	970	6820	225	398	201	759	108
21	176	174	392	963	2090	983	10200	209	296	183	537	92
22	163	180	372	1280	1600	855	9140	227	231	183	411	93
23	154	178	388	3640	1320	836	5820	225	194	345	303	73
24	148	178	423	5630	1140	798	3580	205	175	343	250	76
25	184	203	454	6350	1020	736	2490	195	167	436	215	75
26	177	231	436	4360	977	677	2160	192	153	444	194	75
27	218	241	528	2720	2150	644	2040	411	140	393	174	76
28	305	279	499	1880	3650	635	1840	353	136	273	158	78
29	306	350	454	1480	---	597	1600	324	250	205	151	77
30	261	412	406	1270	---	563	1610	262	550	269	145	75
31	222	---	438	1220	---	533	---	227	---	305	140	---
TOTAL	4892	6024	14099	109588	52247	39472	79015	15077	11152	10011	12151	3037
MEAN	158	201	455	3535	1866	1273	2634	486	372	323	392	101
MAX	306	412	828	22700	4460	3620	10200	1550	773	777	1050	155
MIN	69	160	234	637	977	533	564	192	136	156	140	75
CFSM	.22	.28	.64	4.94	2.61	1.78	3.68	.68	.52	.45	.55	.14
IN.	.25	.31	.73	5.70	2.72	2.05	4.11	.78	.58	.52	.63	.16

CAL YR 1981 TOTAL 202756 MEAN 555 MAX 8970 MIN 69 CFSM .78 IN 10.55
WTR YR 1982 TOTAL 356765 MEAN 977 MAX 22700 MIN 69 CFSM 1.37 IN 13.56

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT									
13...	1245	267	28	7.6	13.5	15	8.5	.7	7.0
NOV									
05...	0845	172	33	6.6	17.0	11	7.7	1.9	16
FEB									
09...	1100	1400	23	6.5	6.0	16	12.0	1.9	2.0
AUG									
04...	0800	336	32	5.6	26.0	34	7.0	.9	9.0
SEP									
14...	1230	95	32	6.7	26.0	7.9	7.8	2.0	6.0

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT									
13...	--	<.010	.03	.050	.32	.37	.40	.030	.020
NOV									
05...	.02	.010	.03	.020	.34	.36	.39	.030	.020
FEB									
09...	.12	.030	.15	.030	.83	.96	1.0	.030	.010
AUG									
04...	.17	.020	.19	.040	.86	.90	1.1	.050	.020
SEP									
14...	.09	.010	.10	.030	.27	.30	.40	.040	.030

02443710 CEDAR CREEK NEAR TRINITY, MS

LOCATION.--Lat 33°20'22", long 88°26'26", in N½SW¼ sec.17, T.17 N., R.18 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160106, at downstream side of bridge on county road, 1.4 mi (2.3 km) southeast of Trinity, and 5.1 mi (8.2 km) upstream from mouth.

DRAINAGE AREA.--11.5 mi² (29.8 km²).

PERIOD OF RECORD.--October 1979 to current year (discontinued).

GAGE.--Nonrecording gage and crest-stage gage. Datum of gage is 155.99 ft (47.546 m), levels by the Corps of Engineers.

REMARKS.--Records fair above 1 ft³/s (0.028 m³/s) and poor below.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,330 ft³/s (94.3 m³/s) Apr. 19, gage height, 20.18 ft (6.151 m); no flow Oct. 1-24, Oct. 31-Nov. 29, June 24, 25, Aug. 25-Sept. 30.

Water Year 1981: Maximum discharge 2,840 ft³/s (80.4 m³/s) Mar. 29, gage height, 18.01 ft (5.489 m); no flow Oct. 3-17, Oct. 22-23, Nov. 12-14, May 3, 10-18, 24, June 18-30, July 10-Aug. 20, Aug. 22-Sept. 30.

Water Year 1980: Maximum discharge 3,240 ft³/s (91.8 m³/s) Mar. 28, gage height, 18.79 ft (5.727 m); no flow Oct. 27-30, May 12-15, June 4, 5, 6, 12-23, June 30-Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	65	2.3	4.5	8.3	1.9	2.3	.27	.05	.00	.00	.00
2	.30	3.9	1.9	3.0	4.5	2.4	1.6	.21	.03	.00	.00	.00
3	.30	1.7	1.7	9.2	5.0	1.9	1.2	.16	.01	.00	.00	.00
4	.36	1.1	1.6	61	4.5	2.2	2.0	.11	.00	.00	.00	.00
5	.42	1.0	1.5	7.3	4.3	8.3	1.0	.09	.05	.00	.00	.00
6	.46	.81	1.5	3.9	6.5	3.7	.70	.07	.00	.00	.00	.00
7	.65	.65	1.5	3.5	4.3	27	.60	.07	.00	.00	.00	.00
8	.55	.65	1.3	12	4.1	73	.55	.07	.46	.00	.00	.00
9	.50	.93	1.4	7.0	220	5.0	.50	.05	.07	.00	.00	.00
10	.50	23	1.4	5.4	23	3.4	.42	.03	.04	.00	.00	.00
11	.42	4.3	1.4	312	5.4	2.3	25	.01	.01	.00	.00	.00
12	.33	2.0	1.4	14	5.0	841	791	.00	.00	.00	.00	.00
13	.33	1.3	137	5.9	4.1	45	490	.00	.00	.00	.00	.00
14	.30	.93	23	4.1	3.4	7.3	22	.00	.00	.00	.00	.00
15	.24	.87	8.0	3.5	58	3.4	4.1	.00	.00	.00	.00	.00
16	.24	.75	6.5	3.5	54	3.4	1.2	1.8	.00	.00	.00	.00
17	.24	.81	3.7	71	3.7	939	.75	683	.00	.00	.00	.00
18	.21	.65	2.4	58	2.9	13	.70	4.5	.00	.00	.00	.00
19	.18	.55	2.0	3.3	2.7	5.0	.46	8.3	.00	.00	.00	.00
20	.18	.55	1.9	5.9	2.7	27	.39	9.7	.00	.00	.00	.00
21	.13	.50	1.6	11	2.6	21	.30	1.2	.00	.00	.00	.00
22	.06	1.5	1.8	635	2.4	5.4	.18	5.4	.00	.00	.00	.00
23	.07	317	2.0	100	2.2	8.0	.16	31	.00	.00	.00	.00
24	.05	37	243	8.3	1.5	33	.09	7.6	.01	.00	.00	.00
25	.03	376	12	5.7	1.3	8.6	39	4.3	.04	.00	.00	.00
26	.03	33	4.5	17	1.3	3.9	88	3.0	.11	.00	.00	.00
27	.00	12	3.7	17	1.3	309	5.4	.55	.05	.00	.00	.00
28	.00	5.4	2.6	7.0	1.3	515	.87	.36	.03	.00	.00	.00
29	.00	3.5	2.2	5.0	1.3	23	.55	.13	.01	.00	.00	.00
30	.00	2.7	38	17	---	25	.33	.07	.00	.00	.00	.04
31	.27	---	7.3	14	---	4.7	---	.05	---	.00	.00	---
TOTAL	7.55	900.05	522.1	1440.0	441.6	2971.8	1481.35	762.10	.97	.00	.00	.04
MEAN	.25	30.0	16.8	46.5	15.2	95.9	49.4	24.6	.032	.000	.000	.001
MAX	.65	376	243	635	220	939	791	683	.46	.00	.00	.04
MIN	.00	.50	1.3	3.0	1.3	1.9	.09	.00	.00	.00	.00	.00
CFSM	.02	2.61	1.46	4.04	1.32	8.34	4.30	2.14	.003	.000	.000	.000
IN.	.02	2.91	1.69	4.66	1.43	9.61	4.79	2.47	.00	.00	.00	.00

WTR YR 1980 TOTAL 8527.66 MEAN 23.3 MAX 939 MIN .00 CFSM 2.03 IN 27.58

02443710 CEDAR CREEK NEAR TRINITY, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	.36	.60	.13	1.0	.81	18	.02	.13	.18	.00	.00
2	.02	.30	.42	.13	2.4	2.6	5.7	.02	.24	.06	.00	.00
3	.00	.30	.36	.13	1.6	2.0	2.4	.00	.09	.03	.00	.00
4	.00	.24	.30	.11	.93	136	2.0	.01	.39	.02	.00	.00
5	.00	.16	.24	.09	.65	21	14	.01	.11	3.9	.00	.00
6	.00	.09	.24	.16	.42	4.3	3.7	.02	.05	.48	.00	.00
7	.00	.06	.24	.42	.42	2.7	1.9	.02	.50	.05	.00	.00
8	.00	.05	.21	.36	.36	1.7	.93	.02	.13	.03	.00	.00
9	.00	.03	.36	.33	.24	1.2	.50	.01	.05	.01	.00	.00
10	.00	.03	5.0	.30	195	.87	.27	.00	.13	.00	.00	.00
11	.00	.02	.87	.24	11	.93	.21	.00	.81	.00	.00	.00
12	.00	.00	.70	.21	2.7	.81	.13	.00	.30	.00	.00	.00
13	.00	.00	.50	.18	1.2	.87	.13	.00	.13	.00	.00	.00
14	.00	.00	.42	.18	1.2	.75	.09	.00	.06	.00	.00	.00
15	.00	3.5	.36	.18	1.1	.81	.07	.00	.03	.00	.00	.00
16	.00	1.4	.33	.16	17	2.9	.05	.00	.02	.00	.00	.00
17	.00	6.2	.30	.16	3.9	1.5	.05	.00	.01	.00	.00	.00
18	2.3	3.7	.24	.13	2.9	1.5	.04	.00	.00	.00	.00	.00
19	.06	1.2	.24	.13	1.6	1.3	.04	.02	.00	.00	.00	.00
20	.04	.65	.24	.33	.93	1.2	.03	.03	.00	.00	.00	.00
21	.01	.50	.21	.93	.65	7.1	.03	.05	.00	.00	.01	.00
22	.00	.36	.21	.50	.50	152	.05	.03	.00	.00	.00	.00
23	.00	236	.21	.42	.39	6.7	.18	.02	.00	.00	.00	.00
24	.06	3.0	.21	.36	.33	3.7	.05	.00	.00	.00	.00	.00
25	.06	2.0	.21	.36	.55	3.5	.03	.02	.00	.00	.00	.00
26	.04	70	.21	.30	.36	2.0	.02	.60	.00	.00	.00	.00
27	26	39	.21	.24	.30	1.6	.02	1.9	.00	.00	.00	.00
28	12	3.0	.21	.13	.30	1.5	.01	.24	.00	.00	.00	.00
29	1.1	1.2	.21	.09	---	303	.03	.09	.00	.00	.00	.00
30	.50	.75	.18	.18	---	363	.02	.04	.00	.00	.00	.00
31	.42	---	.18	.13	---	65	---	.03	---	.00	.00	---
TOTAL	42.66	429.10	14.42	7.70	249.93	1144.85	50.68	3.20	3.18	4.76	.01	.00
MEAN	1.38	14.3	.47	.25	8.93	36.9	1.69	.10	.11	.15	.000	.000
MAX	26	236	5.0	.93	195	363	18	1.9	.81	3.9	.01	.00
MIN	.00	.00	.18	.09	.24	.75	.01	.00	.00	.00	.00	.00
CFSM	.12	1.24	.04	.02	.78	3.21	.15	.009	.01	.01	.000	.000
IN.	.14	1.39	.05	.02	.81	3.70	.16	.01	.01	.02	.00	.00

CAL YR 1980 TOTAL 7584.04 MEAN 20.7 MAX 939 MIN .00 CFSM 1.80 IN 24.53
WTR YR 1981 TOTAL 1950.49 MEAN 5.34 MAX 363 MIN .00 CFSM .46 IN 6.31

02443710 CEDAR CREEK NEAR TRINITY, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.70	33	1.5	6.7	.09	.93	2.7	8.0	2.0	.00
2	.00	.00	.55	19	1.2	3.0	1.7	.65	.42	.39	.46	.00
3	.00	.00	.42	20	2.6	2.2	.37	.55	1.6	.11	.16	.00
4	.00	.00	.39	22	8.3	1.8	.39	.50	.93	.05	.06	.00
5	.00	.00	.33	1.6	2.7	1.6	103	.46	.50	.04	.04	.00
6	.00	.00	.33	.81	2.0	135	2.9	.42	.24	.03	.07	.00
7	.00	.00	.30	.87	1.6	23	.65	.50	.11	.03	.04	.00
8	.00	.00	.27	.87	2.3	5.7	.50	.55	.06	.03	.03	.00
9	.00	.00	.24	.60	64	2.7	.39	.50	.05	.03	.02	.00
10	.00	.00	.16	.50	3.7	1.3	.24	.42	.04	.03	.02	.00
11	.00	.00	.11	.50	2.0	1.0	.16	.42	.03	.05	.02	.00
12	.00	.00	.36	.60	1.4	.81	.07	.42	3.1	.07	.02	.00
13	.00	.00	.70	.81	1.2	.70	.05	.36	1.1	.05	.02	.00
14	.00	.00	7.3	1.1	.93	.65	.03	.36	.33	.03	1.2	.00
15	.00	.00	1.3	.93	1.2	.55	.03	.33	.11	.30	1.0	.00
16	.00	.00	.87	.93	138	.46	.50	.30	.06	.27	.36	.00
17	.00	.00	.70	.93	9.7	.81	10	.24	.06	.07	.18	.00
18	.00	.00	.60	.93	4.5	1.4	1.2	.24	.05	.05	.36	.00
19	.00	.00	.55	2.2	2.2	.81	1210	.13	.05	.04	.30	.00
20	.00	.00	.30	1.4	1.6	.60	432	.16	.03	.04	.07	.00
21	.00	.00	.75	4.3	1.2	.70	20	.13	.03	.03	.05	.00
22	.00	.00	.75	3.5	1.1	2.3	2.6	.11	.02	.06	.05	.00
23	.00	.00	.87	281	.81	1.2	1.4	.30	.01	.42	.03	.00
24	.00	.00	.87	3.9	.75	1.2	.93	.24	.00	3.5	.02	.00
25	8.1	.00	2.2	2.0	.70	.81	23	.21	.00	5.4	.00	.00
26	.46	.00	1.2	1.2	1.9	.50	3.2	.24	.03	.11	.00	.00
27	.33	.00	.87	.87	23	.36	1.2	.21	.06	.05	.00	.00
28	.13	.00	.75	.65	9.0	.27	.21	.13	.07	1.9	.00	.00
29	.05	.00	.70	.70	---	.18	.70	.07	6.4	2.6	.00	.00
30	.01	.46	.65	.75	---	.16	.93	.06	2.3	.05	.00	.00
31	.00	---	59	.75	---	.09	---	9.7	---	9.0	.00	---
TOTAL	9.08	.46	85.09	409.20	290.79	196.56	1819.54	19.89	20.49	32.73	6.58	.00
MEAN	.29	.015	2.74	13.2	10.4	6.34	60.7	.64	.68	1.06	.21	.000
MAX	8.1	.46	59	281	138	135	1210	9.7	6.4	9.0	2.0	.00
MIN	.00	.00	.11	.50	.70	.09	.03	.06	.00	.03	.00	.00
CFSM	.03	.001	.24	1.15	.90	.55	5.28	.06	.06	.09	.02	.000
IN.	.03	.00	.28	1.32	.94	.64	5.39	.06	.07	.11	.02	.00

CAL YR 1981 TOTAL 1558.94 MEAN 4.27 MAX 363 MIN .00 CFSM .37 IN 5.04
WTR YR 1982 TOTAL 2889.41 MEAN 7.92 MAX 1210 MIN .00 CFSM .69 IN 9.35

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02448000 NOXUBEE RIVER AT MACON, MS

LOCATION.--Lat 33°06'08", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mi (0.3 km) upstream from Cedar Creek, 1.0 mi (1.6 km) downstream from *Gulf, Mobile and Ohio Railroad bridge*, 1.5 mi (2.4 km) downstream from Horse Hunters Creek, and 6.2 mi (10.0 km) upstream from Running Water Creek.

DRAINAGE AREA.--768 mi^2 (1,989 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1932, September 1938 to current year. Monthly discharge only June to September 1932, published in WSP 1304.

REVISED RECORDS.--WSP 1624: 1929-30, 1932. WDR MS-78-1: 1977. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft (43.397 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft (12 m) downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--48 years, 1,032 ft^3/s (29.23 m^3/s), 18.25 in/yr (464 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft^3/s (3,540 m^3/s) Apr. 13, 1979, gage height, 38.97 ft (11.878 m) from floodmark; minimum, 22 ft^3/s (0.62 m^3/s) Aug. 25, 26, 1943, gage height, 4.89 ft (1.490 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1892 reached a stage of about 34 ft (10.4 m), present site and datum, from information by local residents. Flood in December 1926 reached a stage of about 30 ft (9.1 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,200 ft^3/s (374 m^3/s) Apr. 23, gage height, 28.85 ft (8.793 m), only peak above base of 5,000 ft^3/s (142 m^3/s); minimum, 50 ft^3/s (1.42 m^3/s) Oct. 4, gage height, 5.54 ft (1.689 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	78	223	685	704	2240	315	759	1510	416	833	91
2	53	72	190	369	742	1850	293	604	540	411	846	104
3	53	67	147	306	1780	1890	324	540	1370	231	540	96
4	51	64	144	1370	1700	1860	355	460	3470	229	433	94
5	51	60	132	1220	1090	1240	1890	397	3230	203	298	94
6	52	59	110	928	958	905	2770	351	871	181	221	86
7	52	60	93	1150	807	2210	1750	324	344	126	468	81
8	66	62	82	1180	655	2420	1330	330	263	106	473	78
9	90	71	75	792	1000	1390	1360	409	207	103	322	73
10	101	64	70	416	1250	1790	1040	435	173	134	233	70
11	67	61	67	282	1070	1870	652	483	150	121	177	72
12	74	60	92	217	1100	1710	491	367	144	109	144	75
13	77	61	98	217	934	1030	392	291	392	132	134	79
14	79	63	524	227	712	683	342	250	227	196	118	82
15	71	64	260	217	540	540	339	233	173	170	154	73
16	66	64	194	293	2850	491	306	217	156	137	465	79
17	64	64	131	322	4290	506	269	202	154	166	786	89
18	51	64	223	278	3520	1330	311	186	164	113	841	90
19	58	63	156	339	2060	1080	953	172	135	107	837	81
20	58	64	119	397	1690	640	5670	159	121	129	483	76
21	56	63	107	378	1530	540	7570	149	116	183	322	69
22	55	62	106	369	971	764	11700	149	116	157	254	68
23	60	65	110	2650	635	861	12400	455	112	184	177	67
24	61	73	107	3620	519	660	9550	371	104	304	149	66
25	77	75	126	2920	421	562	8020	211	97	190	124	64
26	91	75	130	1920	468	756	7000	395	94	135	113	64
27	127	76	122	2000	2500	539	6030	335	134	112	106	64
28	98	79	115	2280	3070	511	4760	213	145	110	94	63
29	79	98	107	2280	---	450	2250	192	177	172	89	63
30	81	111	101	1270	---	376	951	203	172	311	87	62
31	95	---	1050	590	---	337	---	1800	---	362	85	---
TOTAL	2170	2063	5361	31517	39596	34687	91343	11642	15061	5743	10474	2316
MEAN	70.0	68.8	173	1017	1414	1119	3045	376	502	185	338	77.2
MAX	127	111	1050	3620	4290	2420	12400	1800	3470	416	846	104
MIN	51	59	67	217	421	337	269	149	94	103	85	62
CFSM	.09	.09	.23	1.32	1.84	1.46	3.97	.49	.65	.24	.44	.10
IN.	.11	.10	.26	1.53	1.92	1.68	4.42	.56	.73	.28	.51	.11

CAL YR 1981 TOTAL 125683 MEAN 344 MAX 5470 MIN 51 CFSM .45 IN 6.09
WTR YR 1982 TOTAL 251973 MEAN 690 MAX 12400 MIN 51 CFSM .90 IN 12.20

02448000 NOXUBEE RIVER AT MACON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967, 1972-75, 1981 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV					
02...	1430	71	37	7.1	--
DEC					
14...	1420	760	533	1090	--
JAN					
25...	1500	2640	251	1790	--
MAR					
03...	1430	2420	128	836	--
APR					
19...	1800	1310	542	1920	--
20...	0300	4120	769	8550	--
20...	0845	5920	1030	16500	95
21...	1500	7960	112	2410	--
22...	1500	12400	53	1770	--
23...	1000	12800	34	1180	86
25...	1350	7990	33	712	--
JUN					
07...	1530	325	99	87	--
JUL					
12...	1315	110	117	35	--
AUG					
23...	1500	173	63	29	--
SEP					
22...	0930	70	48	9.1	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM
APR							
22...	1500	70	79	81	83	87	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM
NOV									
02...	1432	25.0	0	0	0	0	0	0	1
02...	1434	50.0	1	2	3	8	17	29	41
02...	1436	75.0	1	1	2	11	23	34	45
APR									
21...	1504	50.0	28	33	44	79	100	--	--
JUN									
07...	1532	25.0	2	2	3	10	18	27	44
07...	1534	50.0	1	1	2	5	6	7	9
07...	1536	75.0	2	2	6	27	59	77	87

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec.33, T.23 N., R.3 W., Sumter County, Hydrologic Unit 03160108, near left bank on downstream side of bridge on State Highway 17, 0.5 mi (0.8 km) upstream from Woodards Creek, 1 mi (1.6 km) upstream from Alabama, Tennessee and Northern Railroad bridge, 4 mi (6.4 km) north of Geiger, and at mile 16.9 (27.2 km).

DRAINAGE AREA.--1,140 mi² (2,950 km²), approximately.

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966.)

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.-Water-stage recorder. Datum of gage is 86.08 ft (26.237 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi (1.6 km) downstream at datum 1.44 ft (0.439 m) lower. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Record fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mi (1.6 km) north of gage.

AVERAGE DISCHARGE.--38 years (water years 1939-40, 1944-65, 1966-82), 1,555 ft³/s (44.04 m³/s), 18.52 in/yr (470 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 156,000 ft³/s (4,420 m³/s) Apr. 14, 1979; gage height, 48.58 ft (14.807 m); minimum, 13 ft³/s (0.37 m³/s) July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,100 ft³/s (314 m³/s) Apr. 26, gage height, 33.02 ft (10.064 m); minimum, 50 ft³/s (1.42 m³/s) Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	85	192	3800	1370	3660	375	1710	2070	373	1370	110
2	72	86	252	1500	1760	2830	349	916	1690	369	1780	120
3	65	84	259	669	4310	2220	339	757	763	507	1060	125
4	61	82	189	2040	4190	2100	378	645	1690	358	589	125
5	58	80	147	2110	2640	2020	793	553	3160	290	437	120
6	53	77	141	1210	1650	1660	2820	481	3070	276	384	115
7	52	73	137	1150	1320	3260	3010	432	1290	255	278	115
8	67	72	127	1760	1090	3450	2110	393	483	228	280	110
9	67	73	119	1700	990	2870	1500	389	362	203	476	110
10	76	71	116	912	1440	2280	1490	449	305	196	329	105
11	93	70	109	668	1550	2040	1180	471	266	192	264	100
12	101	71	116	332	1300	2040	715	538	250	224	205	98
13	89	73	117	352	1280	1380	504	471	242	198	170	96
14	85	74	592	615	1170	1290	412	387	353	189	156	94
15	87	74	1230	413	850	814	371	345	351	201	147	92
16	88	74	461	692	3410	623	364	325	268	232	142	90
17	82	74	260	1190	6710	1230	344	305	246	207	578	89
18	77	74	182	890	6230	3230	309	292	240	200	847	87
19	72	74	172	737	4870	2850	361	278	238	196	793	91
20	72	73	178	1190	2970	1740	3980	265	238	182	796	92
21	71	74	161	1300	2040	1140	7280	254	230	175	431	90
22	72	76	127	1270	1790	1940	8480	246	226	185	320	85
23	74	72	123	3200	1240	1710	8850	276	224	218	292	82
24	75	72	138	5710	745	1380	8650	696	222	214	203	80
25	100	71	207	5080	561	979	9920	530	220	282	161	80
26	104	72	239	3530	500	935	11100	369	218	270	144	79
27	96	75	191	2170	2850	946	10500	362	216	200	130	78
28	88	74	159	1980	4130	735	9120	481	218	170	120	77
29	106	74	142	2330	---	565	7650	336	230	158	110	77
30	104	86	134	2370	---	688	5110	280	234	156	105	77
31	88	---	1480	1790	---	420	---	567	---	1040	100	---
TOTAL	2465	2253	8179	56243	64966	55325	108364	14600	19813	8147	13247	2889
MEAN	79.5	75.3	264	1750	2320	1785	3612	471	660	263	427	96.3
MAX	106	86	1480	5710	6710	3660	11100	1710	3160	1040	1780	125
MIN	52	70	109	332	500	420	309	246	216	156	100	77
CFSM	.07	.07	.23	1.54	2.04	1.57	3.17	.41	.58	.23	.38	.08
IN.	.08	.07	.27	1.77	2.12	1.81	3.54	.48	.65	.27	.43	.09

CAL YR 1981 TOTAL 190527 MEAN 522 MAX 3920 MIN 52 CFSM .46 IN 6.22
WTR YR 1982 TOTAL 354496 MEAN 971 MAX 11100 MIN 52 CFSM .85 IN 11.57

02472000 LEAF RIVER NEAR COLLINS, MS

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on U.S. Highway 84, 2.0 mi (3.2 km) downstream from Oakohay Creek, 10.6 mi (17.1 km) upstream from Big Creek, 9.5 mi (15.3 km) northeast of Collins, and at mile 114.5 (184.2 km).

DRAINAGE AREA.--743 mi² (1,924 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 2106: 1950(M). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft (60.192 m) Mississippi State Highway Department datum. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 1,087 ft³/s (30.78 m³/s), 19.87 in/yr (505 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,200 ft³/s (1,540 m³/s) Apr. 14, 1974, gage height, 32.6 ft (9.936 m), from floodmark; minimum, 55 ft³/s (1.56 m³/s) Aug. 28-30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1856 reached a stage of about 33 ft (10.1 m), and the flood in April 1900 reached a stage of 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 19	0300	*10800	306	18.08	5.511	Apr. 23	1500	8060	228	15.85	4.831

Minimum discharge, 83 ft³/s (2.35 m³/s) Oct. 4, 5, 6, 7, gage height 3.48 ft (1.061 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	120	245	962	452	3070	1370	764	152	260	2330	139
2	87	113	249	1660	1230	2180	1490	793	145	224	4130	134
3	86	109	193	1990	4090	1130	958	673	140	170	4170	128
4	83	113	175	1670	3250	837	628	510	136	136	3210	122
5	83	125	160	1970	4350	698	536	438	131	120	1550	117
6	83	114	143	2020	3220	638	479	382	126	116	771	116
7	83	103	136	1900	1660	1320	421	507	122	106	517	113
8	87	103	132	1620	996	2240	373	536	119	97	825	113
9	107	104	128	1030	896	2310	335	364	123	90	1030	111
10	129	143	123	790	1090	1610	310	320	119	91	621	111
11	117	123	120	584	1200	952	291	293	116	97	662	114
12	111	114	165	516	1040	687	272	270	114	113	542	117
13	108	110	213	544	817	597	260	257	125	105	431	125
14	103	107	833	794	662	545	249	263	132	97	407	137
15	98	105	1000	1150	587	507	245	229	129	211	353	134
16	96	105	917	765	4600	479	241	218	128	281	325	131
17	96	105	648	586	7530	450	235	209	140	216	325	126
18	96	105	400	527	9800	421	270	193	152	224	584	116
19	96	105	301	469	9270	396	264	191	157	220	499	111
20	93	104	251	450	3590	377	1020	182	148	179	412	107
21	89	103	228	460	2210	355	3310	177	137	218	318	104
22	89	103	220	430	1360	459	4890	170	129	184	281	101
23	90	103	287	472	866	1450	7620	313	129	594	261	97
24	98	107	259	652	705	1980	4230	263	128	988	241	96
25	117	103	327	760	601	1400	2860	272	117	802	222	96
26	153	103	421	673	536	1110	4360	255	116	741	211	93
27	177	110	520	591	2150	1200	3570	226	122	377	198	101
28	158	110	445	472	3020	745	2460	222	119	245	177	110
29	160	120	329	407	---	526	1220	195	179	257	160	93
30	147	139	275	363	---	445	902	180	218	641	152	91
31	129	---	438	380	---	645	---	163	---	933	145	---
TOTAL	3336	3345	10285	27247	70804	31459	46069	10029	4048	9031	26060	3405
MEAN	108	112	332	879	2529	1015	1536	324	135	291	841	114
MAX	177	143	1000	2020	9270	3070	7620	798	218	933	4170	139
MIN	83	103	120	363	452	355	235	163	114	90	145	91
CFSM	.15	.15	.45	1.18	3.40	1.37	2.07	.44	.18	.39	1.13	.15
IN.	.17	.17	.51	1.36	3.54	1.58	2.31	.50	.20	.45	1.30	.17

CAL YR 1981 TOTAL 220765 MEAN 605 MAX 14900 MIN 83 CFSM .81 IN 11.05
WTR YR 1982 TOTAL 245118 MEAN 672 MAX 9270 MIN 83 CFSM .90 IN 12.27

02472500 BOWIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft (7.6 m) downstream from upstream bridge of dual bridges on U.S. Highway 49, 1.0 mi (1.6 km) upstream from Okatoma Creek, 2.2 mi (3.5 km) southwest of Lux, and 10.2 mi (16.4 km) northwest of Hattiesburg.

DRAINAGE AREA.--304 mi² (787 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1906: 1943(M).

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft (48.780 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Record good.

AVERAGE DISCHARGE.--44 years, 445 ft³/s (12.60 m³/s), 19.88 in/yr (505 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,500 ft³/s (1,290 m³/s) Apr. 14, 1974, gage height, 28.18 ft (8.589 m), from floodmark; minimum, 83 ft³/s (2.35 m³/s) Aug. 29, 1957; minimum gage height, 2.37 ft (0.722 m) Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,260 ft³/s (92.3 m³/s) Feb. 17, gage height, 12.34 ft (3.761 m), no peak above base of 4,000 ft³/s (113 m³/s); minimum, 113 ft³/s (3.20 m³/s) Sept. 30, gage height, 2.70 ft (0.823 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	132	295	535	317	578	973	240	142	152	509	131
2	132	129	336	479	871	427	675	252	140	142	744	129
3	129	129	236	1940	2350	362	443	220	139	135	458	129
4	127	134	177	1690	1500	327	297	209	139	131	373	126
5	127	209	155	610	815	307	246	191	137	132	244	124
6	127	150	148	616	557	479	223	184	134	132	196	123
7	126	139	143	610	419	1170	209	182	132	137	220	123
8	126	134	142	783	367	759	198	613	131	135	233	121
9	131	134	140	493	397	486	193	713	129	139	214	118
10	137	142	139	356	557	386	187	295	127	134	252	120
11	142	165	137	289	463	341	182	223	129	134	275	123
12	137	157	223	267	583	315	179	198	131	331	246	131
13	134	142	350	495	736	297	175	184	142	542	194	135
14	129	137	598	670	491	285	174	175	158	240	259	134
15	127	135	730	516	412	271	172	170	142	250	261	145
16	127	136	514	489	2200	261	172	165	135	200	236	137
17	127	136	329	414	3150	252	175	158	137	172	202	127
18	126	134	240	339	2160	244	180	155	145	168	136	124
19	123	132	209	303	1210	235	186	152	143	150	191	123
20	121	131	193	289	715	227	263	150	134	172	168	126
21	123	132	184	273	468	223	757	143	135	305	158	123
22	121	132	187	265	397	213	863	145	147	377	152	121
23	123	132	207	281	352	216	552	145	135	425	165	118
24	124	134	317	360	323	229	337	143	132	261	165	117
25	137	137	692	337	305	255	323	165	127	193	163	117
26	168	137	463	277	329	235	362	203	131	165	140	115
27	194	140	325	248	901	212	331	179	158	158	137	115
28	163	143	277	236	860	193	283	158	196	157	135	117
29	163	150	305	231	---	194	235	150	196	150	134	115
30	137	168	248	229	---	193	212	147	170	152	132	113
31	134	---	332	283	---	512	---	143	---	198	132	---
TOTAL	4156	4233	9111	15101	24215	10694	9755	6552	4271	6269	7294	3720
MEAN	134	141	294	487	865	345	325	211	142	202	235	124
MAX	194	209	730	1940	3150	1170	973	713	196	542	744	145
MIN	121	129	137	229	305	193	172	143	127	131	132	113
CFSM	.44	.46	.97	1.60	2.35	1.14	1.07	.69	.47	.66	.77	.41
IN.	.51	.52	1.11	1.85	2.96	1.31	1.19	.80	.52	.77	.89	.46

CAL YR 1981 TOTAL 103249 MEAN 283 MAX 3170 MIN 117 CFSM .93 IN 12.63
WTR YR 1982 TOTAL 105376 MEAN 289 MAX 3150 MIN 113 CFSM .95 IN 12.89

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on right downstream abutment of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 150 ft (46 m) downstream from Bowie Creek, 3,200 ft (975 m) upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8 (115.5 km).

DRAINAGE AREA.--1,748 mi² (4,527 km²).

PERIOD OF RECORD.--September 1938 to current year. Daily mean gage height, published since January 1972. Gage-height records collected in the same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft (36.037 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum. Jan. 15, 1939 to Apr. 14, 1981, recording gage in concrete house on left bank 450 ft (137 m) downstream from U.S. Highway 11.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 2,667 ft³/s (75.53 m³/s), 20.72 in/yr (526 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s (3,430 m³/s) Apr. 15, 1974, gage height, 34.03 ft (10.372 m); minimum, 318 ft³/s (9.01 m³/s) Oct. 22, 1963; minimum recorded gage height, 2.27 ft (0.692 m) Sept. 26, 27, 28, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 33.6 ft (10.24 m) from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,700 ft³/s (416 m³/s) Feb. 17, gage height, 15.31 ft (4.666 m); minimum daily, 429 ft³/s (12.1 m³/s) Sept. 24-27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	478	592	919	2500	1540	5910	5040	2310	624	963	3200	544
2	478	571	996	3300	3380	5150	4540	2080	592	811	5710	514
3	478	544	969	6400	13800	3670	3560	1970	571	701	6880	498
4	478	529	776	7200	10600	2600	2490	1710	555	613	6340	478
5	478	690	707	5000	9600	2220	1840	1430	534	544	4730	468
6	483	730	635	5400	7690	2220	1570	1250	524	524	2600	463
7	478	619	597	6600	5430	5030	1420	1170	508	503	2000	454
8	483	571	581	5070	3320	4920	1230	2460	498	498	1600	444
9	483	544	565	3460	3110	4700	1170	3150	483	668	2000	434
10	516	560	550	2720	3540	4040	1090	1760	483	713	2300	434
11	565	629	544	2100	3330	2870	1030	1230	508	555	1630	454
12	571	668	770	1680	3730	2260	981	1050	555	877	1560	473
13	539	619	1200	2020	4330	2010	944	950	503	1570	1270	662
14	519	576	1800	2980	2960	1850	919	889	555	981	1050	713
15	516	560	3200	2630	2420	1740	907	852	597	707	1140	581
16	514	550	3000	2360	6800	1640	1020	829	565	925	955	565
17	498	534	2600	2360	13600	1540	1030	799	555	1140	1060	539
18	503	544	2000	2430	14300	1460	981	758	581	840	938	503
19	503	550	1300	2460	13000	1370	1010	735	624	787	1220	473
20	503	524	1100	2020	12100	1320	1560	713	586	730	1220	454
21	503	524	960	1690	6680	1260	5700	696	565	840	994	468
22	503	503	880	1550	4140	1200	8020	679	640	1260	776	449
23	503	483	990	1540	3010	1490	7930	673	550	1250	684	444
24	503	498	1500	2050	2430	2710	8630	829	514	1480	735	429
25	519	503	2400	2380	2150	2930	6010	956	498	1300	776	429
26	662	508	2000	2800	2010	2300	5480	1090	597	1570	679	429
27	907	524	1900	2290	3950	2200	6730	956	735	1370	635	429
28	864	571	1900	1610	6120	1970	5520	805	852	938	597	439
29	730	560	1800	1350	---	1530	4130	764	753	730	560	463
30	662	619	1500	1240	---	1320	2740	707	753	741	531	439
31	624	---	1900	1280	---	2090	---	662	---	1850	571	---
TOTAL	17050	16997	42527	90470	166090	79520	95322	36912	17458	29492	58074	14566
MEAN	550	567	1372	2918	5931	2565	3177	1191	582	951	1873	486
MAX	907	730	3200	7200	14300	5910	8630	3150	852	1850	6880	713
MIN	478	483	544	1240	1540	1200	907	662	483	498	560	429
CFSM	.32	.32	.79	1.67	3.39	1.47	1.82	.68	.33	.54	1.07	.28
IN.	.36	.36	.91	1.93	3.53	1.69	2.03	.79	.37	.63	1.24	.31

CAL YR 1981 TOTAL 591905 MEAN 1622 MAX 17500 MIN 478 CFSM .93 IN 12.60
WTR YR 1982 TOTAL 664465 MEAN 1820 MAX 14300 MIN 429 CFSM 1.04 IN 14.14

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.44	2.67	3.26	---	4.13	9.79	7.99	5.11	2.70	3.23	6.10	2.53
2	2.42	2.63	3.37	---	6.16	8.10	7.52	4.86	2.64	3.02	9.48	2.47
3	2.42	2.59	3.34	---	12.68	6.63	6.53	4.70	2.60	2.94	9.54	2.44
4	2.42	2.55	3.03	---	---	5.45	5.34	4.37	2.57	2.69	9.17	2.40
5	2.42	2.85	2.91	---	---	5.01	4.53	3.98	2.53	2.55	7.73	2.33
6	2.43	2.93	2.79	---	10.31	5.31	4.17	3.72	2.51	2.51	---	2.37
7	2.43	2.73	2.72	---	8.33	7.97	3.96	3.60	2.48	2.48	---	2.35
8	2.44	2.64	2.68	8.02	6.27	7.83	3.77	5.20	2.46	2.45	---	2.33
9	2.44	2.59	2.66	6.41	6.03	7.67	3.60	6.09	2.43	2.78	---	2.31
10	2.50	2.62	2.63	5.61	6.51	7.01	3.48	4.42	2.43	2.87	---	2.31
11	2.60	2.75	2.62	4.87	6.28	5.77	3.38	3.68	2.48	2.57	4.26	2.34
12	2.61	2.82	3.01	4.33	6.69	5.07	3.31	3.42	2.57	3.12	4.15	2.38
13	2.55	2.73	---	4.76	7.30	4.75	3.25	3.26	2.67	4.17	3.75	2.74
14	2.51	2.65	---	5.90	5.87	4.55	3.21	3.16	2.57	3.31	3.42	2.83
15	2.50	2.62	---	5.49	5.26	4.40	3.19	3.10	2.65	2.85	3.55	2.59
16	2.50	2.61	---	5.19	9.39	4.27	3.37	3.06	2.59	3.21	3.32	2.56
17	2.48	2.59	---	5.18	14.63	4.13	3.39	3.01	2.57	3.55	3.42	2.51
18	2.49	2.60	---	5.27	15.33	4.02	3.31	2.94	2.62	3.08	3.23	2.44
19	2.49	2.61	---	5.30	14.22	3.90	3.35	2.90	2.70	2.99	3.66	2.38
20	2.49	2.56	---	4.76	13.60	3.82	4.07	2.86	2.63	2.89	3.66	2.34
21	2.49	2.56	---	4.34	9.42	3.74	3.51	2.83	2.59	3.09	3.32	2.37
22	2.49	2.52	---	4.15	7.11	3.65	10.58	2.80	2.73	3.72	2.96	2.33
23	2.49	2.48	---	4.14	5.92	4.05	10.55	2.79	2.56	3.72	2.30	2.32
24	2.49	2.51	---	4.79	5.26	5.59	11.07	3.06	2.49	4.04	2.98	2.23
25	2.52	2.52	---	5.21	4.93	5.85	8.34	3.27	2.46	4.49	2.96	2.23
26	2.79	2.54	---	5.70	4.76	5.11	8.38	3.48	2.65	4.18	2.79	2.28
27	3.22	2.57	---	5.09	5.96	4.99	9.51	3.27	2.90	3.90	2.71	2.28
28	3.15	2.66	---	4.23	8.98	4.70	8.43	3.02	3.10	3.24	2.64	2.30
29	2.92	2.64	---	3.86	---	4.12	7.10	2.95	2.93	2.89	2.57	2.35
30	2.30	2.75	---	3.71	---	3.83	5.63	2.85	2.93	2.91	2.60	2.30
31	2.73	---	---	3.76	---	4.77	---	2.77	---	4.51	2.58	---
MEAN	2.57	2.64	---	---	---	5.31	5.78	3.56	2.62	3.22	---	2.40
MAX	3.22	2.93	---	---	---	8.79	11.07	6.08	3.10	4.51	---	2.83
MIN	2.42	2.48	---	---	---	3.65	3.19	2.77	2.43	2.46	---	2.28

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'55", in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, near right bank on downstream side of bridge on State Highway 528, 0.8 mi (1.3 km) east of Waldrup and 11.6 mi (18.7 km) east of Bay Springs.

DRAINAGE AREA.--102 mi² (264 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1961, 1964-65, and annual maximums, water years 1969-79. October 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 290.00 ft (88.392 m) National Geodetic Vertical Datum of 1929. Prior to October 1979, datum of gage at NGVD. October 1979 to September 1980, non-recording gage and crest-stage gage at same site and datum.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,900 ft³/s (507 m³/s) Apr. 13, 1974, gage height 23.18 ft (7.065 m) present datum; minimum 2.4 ft³/s (0.068 m³/s) July 24, 1981, gage height, 7.68 ft (2.341 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 3	2345	2290	64.8	17.91	5.459	Feb. 17	1030	*3350	94.9	18.59	5.666

Minimum daily discharge, 2.8 ft³/s (0.079 m³/s) June 12.

CORRECTION.--The maximum stage for the 1981 water year is 18.75 (5.715 m); the previously published figure was in error.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	7.2	38	722	243	229	255	85	6.9	19	1230	5.9
2	3.4	6.6	53	270	396	139	120	72	6.5	21	1930	5.6
3	3.4	6.3	18	339	1750	106	73	55	6.1	12	1060	5.4
4	3.4	6.2	13	555	1820	87	51	45	5.6	9.3	148	5.0
5	3.4	6.0	10	353	712	76	44	36	5.0	6.7	60	4.9
6	3.3	6.0	8.7	126	195	85	61	30	4.3	5.4	41	4.5
7	3.3	6.0	8.4	344	145	689	45	38	3.9	6.9	40	4.3
8	4.2	5.9	8.1	646	120	470	34	72	3.4	16	37	4.5
9	8.3	5.8	7.7	251	141	160	32	46	3.1	104	31	4.5
10	9.0	7.5	7.2	117	321	106	29	31	3.1	40	26	4.3
11	6.3	11	6.9	76	200	86	26	24	3.1	35	23	5.2
12	5.3	9.0	7.7	61	130	74	24	20	3.4	211	18	13
13	5.0	6.6	15	88	132	67	22	18	11	71	17	42
14	4.9	6.6	306	164	115	61	21	20	12	160	16	16
15	4.8	6.6	728	152	97	56	21	16	7.1	56	15	12
16	4.6	6.3	235	295	1060	50	22	14	5.4	27	86	10
17	4.4	6.3	70	255	2770	46	23	13	9.1	37	47	8.0
18	4.2	6.5	48	127	1350	41	25	13	23	24	26	6.3
19	4.1	6.2	35	100	338	38	22	11	13	15	24	5.6
20	4.0	6.0	28	88	155	35	396	10	7.5	12	21	5.2
21	3.9	6.0	25	74	120	34	1040	9.5	5.4	12	16	5.2
22	3.8	5.9	26	67	98	205	1290	9.3	6.3	32	13	5.4
23	3.8	5.9	86	236	82	613	683	15	14	839	13	4.7
24	4.4	6.5	79	344	72	179	116	28	16	379	12	4.2
25	6.0	7.2	195	143	66	128	510	23	10	435	11	4.2
26	19	7.2	217	90	77	101	1550	17	23	272	9.3	4.5
27	36	7.2	97	67	604	67	992	14	15	57	8.2	4.5
28	14	8.7	62	56	633	50	181	11	9.8	33	7.3	4.7
29	9.4	9.0	46	50	---	42	92	10	15	27	6.5	4.3
30	8.7	9.1	36	46	---	39	71	8.8	21	51	6.1	4.0
31	8.4	---	262	123	---	102	---	7.8	---	80	5.5	---
TOTAL	210.1	204.3	2780.7	6434	13992	4062	7851	823.4	278.0	3586.3	5104.2	217.9
MEAN	6.78	6.81	89.7	208	500	131	262	26.6	9.27	116	165	7.26
MAX	36	11	728	722	2770	613	1550	85	23	879	1980	42
MIN	3.3	5.3	6.9	46	66	34	21	7.8	3.1	5.4	5.8	4.0
CFSM	.07	.07	.88	2.04	4.90	1.29	2.57	.26	.09	1.14	1.62	.07
IN.	.08	.07	1.01	2.35	5.10	1.48	2.87	.30	.10	1.31	1.86	.08

CAL YR 1981 TOTAL 31673.1 MEAN 86.8 MAX 2720 MIN 2.6 CFSM .85 IN 11.55
WTR YR 1982 TOTAL 45553.9 MEAN 125 MAX 2770 MIN 3.1 CFSM 1.23 IN 16.61

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on State Highway 15, 0.5 mi (0.8 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mi (0.8 km) southeast of city limits of Laurel, and 13.1 mi (21.1 km) upstream from Tallahoma Creek.

DRAINAGE AREA.--238 mi² (616 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft (61.378 m) Mississippi State Highway Department datum. Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 346 ft³/s (9.799 m³/s), 19.74 in/yr (501 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,300 ft³/s (660 m³/s) Apr. 14, 1974, gage height, 23.28 ft (7.096 m), from floodmark; minimum, 1.8 ft³/s (0.051 m³/s) Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft (0.369 m) Oct. 31, Nov. 1, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1880, about 26 ft (7.9 m) Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft (7.3 m), from information by local residents. Flood in April 1938 reached a stage of 20.7 ft (6.31 m) from information by Mississippi State Highway Department.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,230 ft³/s (91.47 m³/s) Feb. 20, gage height, 15.46 ft (4.712 m); minimum, 9.0 ft³/s (0.25 m³/s) Oct. 5, gage height, 1.93 ft (0.588 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	20	41	205	165	698	246	954	36	75	679	23
2	10	17	71	440	524	770	333	300	34	44	812	23
3	9.7	15	83	637	1010	698	342	241	31	40	914	22
4	9.4	14	86	759	1130	362	214	188	28	37	1050	21
5	9.1	13	61	811	1120	276	158	148	26	33	1250	20
6	9.3	12	41	790	1230	256	127	120	25	26	1430	19
7	9.2	12	32	641	1800	366	108	121	23	22	689	19
8	9.5	12	27	363	1940	546	110	243	21	19	216	19
9	10	12	25	541	1210	637	97	394	20	18	183	18
10	10	14	22	665	616	654	81	230	19	17	141	18
11	10	12	22	605	596	397	70	145	18	155	110	18
12	11	12	39	272	581	277	64	109	18	427	90	23
13	17	14	39	221	459	237	59	89	17	285	77	41
14	15	17	112	265	331	209	53	71	16	281	73	83
15	14	18	228	313	337	198	51	59	17	156	65	75
16	12	16	439	342	693	182	49	53	23	217	56	53
17	12	14	500	343	1170	161	62	49	29	110	54	33
18	11	13	378	411	1230	147	71	43	25	68	99	30
19	12	14	160	369	1720	134	76	39	28	55	91	27
20	11	14	105	239	3030	123	138	36	28	57	63	25
21	10	14	82	198	2430	114	677	33	31	57	50	22
22	10	13	69	177	1600	106	891	44	31	106	47	20
23	11	13	66	171	542	99	918	282	24	260	43	19
24	11	14	83	300	305	303	950	371	24	748	37	18
25	13	14	192	500	250	475	1110	126	22	792	35	18
26	25	14	226	478	234	279	1230	160	26	719	35	17
27	15	16	303	273	370	224	1080	105	60	509	33	17
28	27	16	270	193	539	190	1090	131	52	327	31	17
29	36	19	164	155	---	138	1260	90	69	133	29	16
30	33	26	120	135	---	103	1430	57	104	93	27	16
31	27	---	144	137	---	199	---	46	---	369	25	---
TOTAL	444.2	444	4230	11930	27362	9563	13145	5080	927	6355	3534	795
MEAN	14.3	14.8	136	385	977	308	438	164	30.9	205	275	26.5
MAX	38	26	500	811	3030	770	1430	954	104	792	1430	83
MIN	9.1	12	22	135	165	99	49	33	16	17	25	16
CFSM	.06	.06	.57	1.62	4.11	1.29	1.84	.69	.13	.86	1.16	.11
IN.	.07	.07	.66	1.86	4.28	1.49	2.05	.79	.14	.99	1.33	.12

CAL YR 1981 TOTAL 69213.3 MEAN 190 MAX 4620 MIN 7.8 CFSM .80 IN 10.82
WTR YR 1982 TOTAL 88810.2 MEAN 243 MAX 3030 MIN 9.1 CFSM 1.02 IN 13.88

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on county highway between Sunrise and Runnelstown, 3.0 mi (4.8 km) south of Runnelstown, and 11.6 mi (18.7 km) upstream from mouth.

DRAINAGE AREA.--612 mi² (1,585 km²).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft (31.876 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 941 ft³/s (26.65 m³/s), 20.88 in/yr (530 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s (929 m³/s) Feb. 24, 1961, gage height, 29.84 ft (9.095 m) in gage well, 30.07 ft (9.165 m) from outside gage, present datum; minimum, 29 ft³/s (0.82 m³/s) Oct. 31, 1963; minimum gage height, 4.64 ft (1.414 m) Nov. 3, 4-5, 6, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30½ ft (9¼ m) in April 1900; flood in December 1919 reached a stage of 26½ ft (8 m), and flood in about 1865 reached a stage between 26½ ft (8 m) and 30½ ft (9¼ m), all from information by local residents, at datum 5.00 ft (1.524 m) higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,620 ft³/s (131 m³/s) Feb. 3, gage height, 14.81 ft (4.514 m); minimum, 50 ft³/s (1.42 m³/s) Sept. 30, gage height, 4.83 ft (1.472 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	104	151	752	490	1740	1430	2550	168	163	1220	95
2	64	91	132	768	1420	1780	1200	1300	148	265	2050	80
3	59	82	217	1340	4430	1760	1080	951	135	174	2000	77
4	57	76	253	2200	3900	1500	956	730	124	141	1840	74
5	60	73	212	2050	3210	1030	696	594	116	128	1780	70
6	91	73	134	1310	2820	967	552	477	109	116	1760	68
7	73	72	147	1730	2640	1760	445	413	103	104	1730	66
8	65	66	124	1850	2750	1650	398	413	98	92	1250	64
9	67	63	110	1210	3220	1560	368	866	92	89	563	61
10	72	63	101	1280	3030	1540	342	1040	89	99	490	60
11	75	67	93	1370	1890	1450	301	655	86	108	429	64
12	66	73	186	1130	1860	1030	275	445	109	236	323	65
13	63	70	261	961	2090	839	258	345	89	325	270	64
14	60	72	462	1270	1490	734	243	296	83	623	231	114
15	60	76	665	1110	1260	663	231	260	79	504	238	156
16	65	76	859	1000	2230	616	222	231	76	432	204	164
17	66	78	1080	736	3170	573	231	213	86	398	180	137
18	66	76	940	879	3300	523	258	197	101	331	193	111
19	60	77	655	899	3140	487	293	184	108	208	217	92
20	56	76	452	904	3150	445	507	176	96	172	220	80
21	55	67	296	628	3590	413	2190	164	116	174	182	76
22	57	64	249	532	4070	383	2490	156	133	160	152	70
23	57	64	229	529	3760	371	2440	146	118	152	133	65
24	55	64	231	646	1780	371	2100	377	103	371	126	61
25	57	66	812	863	1040	769	2110	781	90	1300	116	59
26	68	66	839	1050	852	1090	2290	435	96	1280	106	57
27	103	65	680	911	1190	777	2310	315	143	1110	99	56
28	112	85	676	646	1620	623	2150	296	260	925	96	55
29	91	82	725	494	---	570	2110	245	323	623	92	53
30	106	78	513	417	---	454	2760	253	186	368	87	52
31	106	---	484	406	---	641	---	197	---	619	90	---
TOTAL	2165	2204	13098	32471	69392	29143	33256	16201	3663	12295	13437	2366
MEAN	69.8	73.5	423	1047	2478	940	1110	523	122	397	596	78.9
MAX	112	104	1080	2200	4430	1780	2760	2550	323	1300	2050	164
MIN	55	63	93	406	490	371	222	146	76	89	87	52
CFSM	.11	.12	.69	1.71	4.05	1.54	1.81	.86	.20	.65	.97	.13
IN.	.13	.13	.80	1.97	4.22	1.77	2.02	.98	.22	.75	1.12	.14

CAL YR 1981 TOTAL 179379 MEAN 491 MAX 5710 MIN 53 CFSM .80 IN 10.90
WTR YR 1982 TOTAL 234771 MEAN 643 MAX 4430 MIN 52 CFSM 1.05 IN 14.27

02474600 BOGUE HOMO NEAR RICHTON, MS

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, near right bank at downstream side of bridge on county highway, 0.5 mi (0.8 km) upstream from Linda Creek, 1.0 mi (1.6 km) downstream from Sweetwater Creek, 3.5 mi (5.6 km) upstream from State Highway 42, and 6.0 mi (9.7 km) northwest of Richton.

DRAINAGE AREA.--344 mi² (891 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1943 (corrected), 1955-56, 1965. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (35.7 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--12 years, 582 ft³/s (16.48 m³/s), 22.98 in/yr (584 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s (620 m³/s) Dec. 28, 1973, gage height, 27.63 ft from floodmark; minimum, 6.2 ft³/s (0.18 m³/s) Aug. 1, 2, 4, 5, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26½ ft (8 m) and the flood of Mar. 21, 1943, reached a stage of 25.7 ft (7.83 m) at site 3.5 mi (5.6 km) downstream at different datum (from information by Corps of Engineers). A discharge of 4.7 ft³/s (0.13 m³/s) was measured Oct. 16, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,570 ft³/s (101 m³/s) Feb. 3, gage height, 11.50 ft (3.505 m), no peak above base of 4,000 ft³/s (113 m³/s); minimum, 6.8 ft³/s (0.19 m³/s) June 21, gage height, 3.29 ft (1.003 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	12	44	446	230	534	546	785	76	91	349	16
2	33	12	46	328	1030	534	654	554	51	92	940	16
3	26	11	47	470	3020	562	502	265	37	83	835	15
4	18	11	37	750	3170	478	331	192	31	61	770	16
5	15	11	27	755	2410	339	274	149	28	49	820	16
6	12	10	21	725	2130	363	195	118	22	43	835	13
7	11	10	18	1110	2080	1160	146	110	18	33	700	13
8	10	11	16	1240	1850	1220	136	103	13	47	339	15
9	11	13	15	850	1710	845	112	86	17	53	200	22
10	11	11	13	145	1750	695	80	124	15	37	150	50
11	11	10	13	132	1410	650	73	197	12	26	144	63
12	11	9.5	47	128	1290	519	71	187	13	53	140	71
13	10	9.5	58	126	1610	346	65	118	12	110	177	73
14	9.5	10	136	140	1410	277	50	86	10	123	210	74
15	9.5	10	220	395	1160	241	44	67	9.0	143	155	71
16	9.0	11	241	770	1700	220	44	57	8.5	167	130	77
17	9.0	11	137	614	1880	195	45	49	11	142	88	82
18	9.0	11	140	526	1570	182	45	47	10	95	71	83
19	8.5	11	88	419	1250	162	43	45	9.0	79	67	80
20	8.0	13	66	322	1320	152	98	39	7.5	66	94	79
21	8.0	15	57	265	1430	136	1360	33	15	73	82	79
22	8.0	13	51	227	1400	122	1690	29	32	73	52	76
23	8.0	12	49	220	1040	114	1050	27	15	132	49	74
24	14	13	134	353	554	124	815	25	10	162	39	76
25	22	12	474	395	353	112	1340	24	8.0	170	34	79
26	24	12	454	328	239	104	1640	29	19	277	30	79
27	18	16	301	325	339	103	1260	50	41	323	25	76
28	16	25	247	289	506	118	925	46	47	370	23	74
29	15	23	225	212	---	106	795	40	47	232	21	74
30	14	24	205	172	---	94	800	89	82	152	18	71
31	13	---	391	170	---	144	---	116	---	182	17	---
TOTAL	436.5	383.0	4068	13347	40001	10955	15269	3883	724.0	3759	7624	1703
MEAN	14.1	12.8	131	447	1429	353	509	125	26.1	121	246	56.3
MAX	37	25	474	1240	3170	1220	1690	785	82	370	940	83
MIN	8.0	9.5	13	126	230	94	43	24	7.5	26	17	13
CFSM	.04	.04	.38	1.30	4.15	1.03	1.48	.36	.07	.35	.72	.17
IN.	.05	.04	.44	1.50	4.33	1.18	1.65	.42	.08	.41	.82	.18

CAL YR 1981 TOTAL 82411.2 MEAN 226 MAX 4790 MIN 6.4 CFSM .66 IN 8.91
WTR YR 1982 TOTAL 102652.5 MEAN 281 MAX 3170 MIN 7.5 CFSM .82 IN 11.10

02475000 LEAF RIVER NEAR McLAIN, MS

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens Meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi (1.9 km) east of McLain, 1.8 mi (2.9 km) downstream from Atkinson Creek, 5.5 mi (8.5 km) upstream from Big Oktibee Creek, and 14.6 mi (23.5 km) upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,495 mi² (9,050 km²).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft (12.847 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good. No gage height record, Oct. 1 to Nov. 5, Feb. 4, and Mar. 25-30.

AVERAGE DISCHARGE.--43 years, 5,404 ft³/s (153.0 m³/s), 21.00 in/yr (533 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Feb. 26, 1961, gage height, 31.64 ft (9.644 m); minimum, 478 ft³/s (13.5 m³/s) Oct. 22, 1963; minimum gage height, 1.78 ft (0.543 m) Oct. 28, 29; Nov. 1, 2, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,500 ft³/s (637 m³/s) Feb. 4, gage height, 18.50 ft (5.639 m); minimum daily, 740 ft³/s (21.0 m³/s) Oct. 23-24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	850	1000	1070	3340	2730	8860	6410	7490	1210	1340	4870	983
2	840	970	1390	4700	5740	8930	7360	6600	1110	1490	7360	936
3	820	940	1770	4940	13300	8250	6840	5160	1060	1440	9490	890
4	900	900	1690	7620	22300	7410	5660	3930	1070	1250	9420	862
5	790	890	1470	10600	21900	5480	4480	3320	994	1110	8690	840
6	730	884	1270	8470	19800	4660	3550	2780	947	1210	7410	823
7	770	970	1150	7920	17200	6430	3020	2430	913	1110	6230	812
8	770	914	1100	12500	14600	9850	2690	3130	890	970	5340	801
9	780	867	1040	10700	11500	9290	2450	3600	879	936	4240	785
10	820	834	988	7420	11900	8270	2290	4420	879	1250	3350	796
11	870	823	959	5910	11200	7400	2110	3400	884	1340	3660	829
12	890	867	1040	5080	9450	6120	1950	2580	896	1200	3110	873
13	870	930	1530	5950	12700	5030	1830	2150	1010	1760	2700	1200
14	870	901	2170	7060	11900	4370	1740	1850	901	2540	2320	1360
15	840	867	3370	7460	9140	3920	1680	1680	901	2040	2050	1340
16	820	856	4710	6230	10900	3590	1630	1550	924	1670	3050	1100
17	820	840	4420	5360	14700	3350	1660	1450	924	1980	2930	1040
18	800	840	3980	4990	17100	3140	1710	1370	931	2080	2220	1380
19	780	845	3210	4330	19000	2960	1660	1300	931	1680	1840	1180
20	770	829	2490	4660	19600	2790	1730	1250	936	1400	1850	959
21	760	823	2020	4060	19100	2640	7000	1200	941	1340	1920	884
22	750	818	1770	3510	17300	2510	11400	1170	1240	1380	1710	851
23	740	813	1610	3200	12800	2390	12600	1130	1290	1660	1410	823
24	740	829	1650	3210	9380	2400	12100	1120	1020	1810	1250	801
25	750	840	2760	3830	6090	3400	14200	1380	924	2690	1200	791
26	730	845	4380	4270	4780	3600	16100	1830	913	3380	1230	834
27	900	851	4180	4640	4730	3200	12800	1770	1150	3160	1130	823
28	1060	862	3710	4100	6910	2700	11900	1610	1610	2860	1060	791
29	1140	913	3570	3270	---	2600	10200	1400	1690	2410	1010	775
30	1060	947	3210	2900	---	2400	8440	1290	1510	1920	1000	775
31	1020	---	3050	2620	---	2400	---	1270	---	2040	932	---
TOTAL	26050	26317	72737	175750	362800	150330	177200	76610	31408	54435	106032	27942
MEAN	840	877	2346	5669	12960	4849	5907	2471	1047	1756	3420	931
MAX	1140	1000	4710	12500	22300	9850	16100	7490	1690	3380	9490	1380
MIN	740	813	959	2620	2730	2390	1630	1120	879	936	932	775
CFSM	.24	.25	.67	1.62	3.71	1.39	1.69	.71	.30	.50	.98	.27
IN.	.28	.28	.77	1.87	3.86	1.60	1.89	.82	.33	.58	1.13	.30

CAL YR 1981 TOTAL 1114364 MEAN 3053 MAX 27500 MIN 740 CFSM .87 IN 11.86
WTR YR 1982 TOTAL 1287612 MEAN 3528 MAX 22300 MIN 740 CFSM 1.01 IN 13.71

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft (762 m) upstream from Illinois Central Railroad bridge, 1.2 mi (1.9 km) east of Chunky, 3.2 mi (5.1 km) upstream from Tallahatta Creek, and 5.5 mi (8.8 km) downstream from Concobona Creek.

DRAINAGE AREA.--369 mi² (956 km²).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

REVISED RECORDS.--WSP 1724: 1950(M). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft (81.991 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 491 ft³/s (13.91 m³/s), 18.07 in/yr (459 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,900 ft³/s (1,160 m³/s) Mar. 4, 1979; gage height, 26.64 ft (8.120 m); minimum, 1.6 ft³/s (0.045 m³/s) Sept. 28-30, 1954; minimum gage height, 2.08 ft (0.634 m) Oct. 21, 22, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,540 ft³/s (129 m³/s) Feb. 18, gage height, 11.62 ft (3.542 m), no peak above base of 5,000 ft³/s (142 m³/s); minimum, 9.1 ft³/s (0.258 m³/s) Oct. 6, gage height, 2.14 ft (0.652 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	42	118	1110	507	1430	601	379	45	76	1510	48
2	10	39	263	780	707	686	478	304	55	60	2320	90
3	12	36	170	437	2020	521	343	263	50	47	1620	59
4	11	34	101	1210	2400	437	274	222	46	38	793	45
5	10	33	77	1350	2140	382	243	186	41	33	292	37
6	9.5	47	65	946	994	382	263	157	40	29	295	33
7	10	48	59	392	609	1270	235	151	35	30	1420	30
8	13	38	55	617	503	1560	193	207	33	28	1630	28
9	17	37	53	597	475	917	179	181	29	29	695	27
10	25	36	51	385	566	547	163	151	27	36	340	26
11	31	41	51	240	482	454	149	120	28	53	238	25
12	34	45	60	200	382	404	137	103	69	64	314	31
13	57	42	98	222	355	364	127	92	78	205	304	40
14	60	38	200	326	329	337	120	83	124	122	217	65
15	31	35	457	320	295	317	118	77	66	95	170	65
16	26	34	292	468	1630	289	120	74	52	155	177	44
17	25	33	159	621	3000	266	139	70	51	174	176	36
18	24	34	115	451	4250	244	151	64	108	149	155	33
19	23	34	93	367	2530	252	155	59	71	115	137	31
20	22	33	81	358	806	233	745	54	60	116	115	28
21	21	33	77	323	542	517	2110	52	65	104	96	25
22	22	35	83	361	457	2090	2650	50	40	96	86	24
23	26	40	104	707	382	2380	2440	53	36	225	80	23
24	26	45	163	1470	337	1730	798	93	33	532	81	23
25	44	49	200	1120	304	886	1350	137	29	179	71	23
26	159	53	230	589	301	666	1840	125	34	99	65	23
27	202	53	207	373	1230	574	1320	92	31	93	59	22
28	135	57	147	306	1840	424	566	89	163	159	51	24
29	74	61	118	265	---	349	382	71	225	157	46	24
30	50	63	101	243	---	314	430	56	104	200	43	23
31	49	---	277	323	---	370	---	50	---	464	40	---
TOTAL	1269.5	1248	4355	17485	30363	21597	18819	3865	1828	3961	13654	1055
MEAN	41.0	41.6	140	564	1084	697	627	125	60.9	128	440	35.2
MAX	202	63	457	1470	4250	2380	2650	379	225	532	2320	90
MIN	9.5	33	51	200	295	233	118	50	27	28	40	22
CFSM	.11	.11	.38	1.53	2.94	1.89	1.70	.34	.17	.35	1.19	.10
IN.	.13	.13	.44	1.76	3.06	2.18	1.90	.39	.18	.40	1.38	.11

CAL YR 1981 TOTAL 106056.5 MEAN 291 MAX 8750 MIN 9.5 CFSM .79 IN 10.69
WTR YR 1982 TOTAL 119479.5 MEAN 327 MAX 4250 MIN 9.5 CFSM .89 IN 12.05

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mi (1.0 km) downstream from Southern Railway System bridge, and 9.5 mi (15.3 km) upstream from mouth.

DRAINAGE AREA.--52.1 mi² (134.9 km²).

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft (93.254 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mi (0.6 km) upstream at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--32 years, 65.6 ft³/s (1.858 m³/s), 17.10 in/yr (434 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft³/s (270 m³/s) Apr. 6, 1964, gage height, 20.95 ft (6.386 m); maximum gage height, 22.98 ft (7.004 m) Mar. 4, 1979; minimum discharge, 0.20 ft³/s (0.006 m³/s) Oct. 4, 1954, and at times during July, August, September 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1900, 29.5 ft (8.99 m) in February 1936, at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft (8.11 m), at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft (7.9 m) at site 0.4 mi (0.6 km) upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft (2.04 m) lower than that of the flood in February 1936, at site 0.6 mi (1.0 km) upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,070 ft³/s (200 m³/s) Aug. 1, gage height, 18.58 ft (5.663 m), only peak above base of 1,300 ft³/s (36.8 m³/s); mininum daily discharge, 0.84 ft³/s (0.024 m³/s) Oct. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.6	36	58	25	94	61	76	4.3	4.9	2030	3.7
2	1.6	2.7	11	28	100	72	50	52	4.0	4.0	145	3.3
3	1.7	2.6	6.8	62	730	63	45	43	3.7	3.7	58	3.5
4	1.5	2.7	5.4	89	148	55	39	36	3.5	3.5	33	3.3
5	1.3	2.7	4.5	31	104	47	35	26	3.3	3.3	24	3.2
6	1.3	2.5	4.0	23	56	123	33	22	3.2	5.2	134	3.2
7	1.2	2.5	3.5	33	58	245	30	26	2.9	3.7	89	3.0
8	1.5	2.5	3.1	30	56	104	27	36	2.6	4.0	35	3.0
9	1.0	2.6	2.8	22	72	76	26	25	2.5	12	26	2.7
10	1.9	3.0	2.5	19	53	65	24	19	2.3	8.5	20	2.7
11	1.0	2.6	2.3	16	67	56	22	16	2.7	20	16	3.3
12	.90	2.5	2.2	18	46	50	22	16	18	18	16	3.3
13	.84	2.3	20	23	42	45	20	14	29	6.5	22	3.7
14	.88	2.3	137	32	39	43	39	12	7.1	5.6	16	4.9
15	.88	2.5	32	39	56	40	157	12	3.5	26	13	4.0
16	.92	2.5	16	65	867	35	40	22	4.6	10	30	3.2
17	.96	2.6	11	41	287	31	37	9.9	6.2	23	18	3.0
18	.96	2.6	10	34	136	29	31	7.3	4.0	7.1	14	2.9
19	.92	2.7	8.5	34	97	27	27	6.5	3.2	17	11	2.5
20	.96	2.6	7.8	23	76	26	360	6.5	3.2	16	9.6	2.6
21	.96	2.6	11	20	45	246	337	6.0	4.3	4.9	9.1	2.9
22	.96	2.7	12	32	52	525	145	13	7.5	12	9.2	2.9
23	.98	2.7	16	54	67	143	115	10	5.2	63	11	2.7
24	.98	3.3	25	35	43	121	98	6.8	4.3	111	7.5	2.7
25	97	3.2	61	25	40	111	575	6.2	3.5	191	6.0	2.9
26	73	3.3	25	19	91	101	276	8.5	4.9	23	5.4	3.3
27	9.2	4.0	18	17	311	80	137	6.5	6.0	21	5.2	3.9
28	3.6	3.0	14	16	127	60	110	5.7	8.5	35	4.6	3.3
29	2.7	2.2	14	15	---	52	53	5.4	7.1	15	4.3	3.0
30	2.9	5.7	13	22	---	46	104	4.9	6.0	20	6.8	2.9
31	2.9	---	146	34	---	55	---	4.3	---	287	4.6	---
TOTAL	223.56	84.2	681.4	997	3889	2877	3075	559.9	171.1	987.7	2880.3	95.9
MEAN	7.21	2.81	22.0	32.2	139	92.8	103	18.1	5.70	31.9	92.9	3.20
MAX	97	5.7	146	89	867	525	575	76	29	287	2080	4.9
MIN	.84	2.2	2.2	15	25	26	20	4.3	2.3	3.3	4.3	2.5
CFSM	.14	.05	.42	.62	2.67	1.78	1.98	.35	.11	.61	1.78	.06
IN.	.16	.06	.49	.71	2.78	2.05	2.20	.40	.12	.71	2.06	.07

CAL YR 1981 TOTAL 14503.36 MEAN 39.7 MAX 1960 MIN .84 CFSM .76 IN 10.36
WTR YR 1982 TOTAL 16522.06 MEAN 45.3 MAX 2080 MIN .84 CFSM .87 IN 11.80

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft (30 m) downstream from Hognose Creek, 400 ft (120 m) upstream from bridge on county road, 0.6 mi (1.0 km) southeast of Arundel, and at mi 16.3 (26.2 km).

DRAINAGE AREA.--342 mi² (886 km²).

PERIOD OF RECORD.--October 1968 to current year. Daily mean gage heights published since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft (78.955 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Apr. 17, 1975, supplementary water-stage recorder at bridge 400 ft (120 m) downstream at same datum.

REMARKS.--Records fair. Flow from 154 mi² (399 km²) above the station, 21.3 mi (34.3 km) upstream, regulated by Okatibee Lake since November 1968.

COOPERATION.--Eight discharge measurements were furnished by Corps of Engineers.

AVERAGE DISCHARGE.--14 years, 538 ft³/s (15.24 m³/s), 21.36 in/yr (543 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 13, 1979, gage height, 21.51 ft (6.556 m); minimum daily, 20 ft³/s (0.57 m³/s) Oct. 5, 26, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1961 reached a stage of 22.2 ft (6.77 m) at county road bridge 400 ft (120 m) downstream (from information by Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,020 ft³/s (114 m³/s) Aug. 1, gage height, 16.74 ft (5.102 m); minimum daily, 19 ft³/s (0.54 m³/s) Nov. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	71	181	271	270	685	336	328	96	88	2720	149
2	65	60	68	141	893	585	292	259	84	91	2440	137
3	58	50	46	163	2100	791	257	225	82	104	538	133
4	53	39	38	263	960	730	235	200	80	103	330	128
5	50	30	36	582	791	565	226	183	83	103	255	126
6	68	25	34	490	958	485	203	173	78	121	401	126
7	49	24	33	510	1060	886	163	171	76	119	652	127
8	66	21	33	372	1060	595	156	202	76	109	360	129
9	59	19	32	666	697	706	149	186	75	126	269	129
10	54	35	33	681	508	779	141	158	72	125	241	131
11	73	35	33	673	476	751	133	142	72	153	221	135
12	65	32	77	586	473	551	128	133	119	266	220	132
13	58	26	56	395	403	444	126	125	139	140	207	134
14	55	24	450	313	285	426	129	121	104	121	189	141
15	53	23	133	236	265	408	529	118	80	190	186	134
16	52	21	98	275	1650	305	207	119	96	351	194	130
17	50	20	74	275	2330	251	179	113	101	246	203	125
18	49	21	65	259	1360	233	169	106	91	228	209	124
19	48	21	58	334	1250	225	144	103	86	145	179	121
20	46	49	54	387	1170	215	968	100	81	149	162	119
21	45	97	60	374	1130	496	1840	97	89	141	159	117
22	43	38	52	292	1070	2320	878	120	175	136	166	117
23	42	27	75	450	1030	1160	426	217	105	263	193	116
24	41	29	76	469	723	905	292	121	91	250	159	117
25	50	27	234	298	519	926	1040	112	96	371	147	120
26	134	27	108	519	510	874	1700	100	88	236	140	119
27	156	41	83	734	1130	775	782	100	100	182	136	117
28	142	44	72	815	921	725	423	93	108	230	135	121
29	119	29	65	830	---	695	321	89	129	232	132	117
30	103	50	52	540	---	413	369	86	100	220	131	113
31	93	---	333	300	---	345	---	87	---	871	207	---
TOTAL	2068	1055	2881	13743	26062	20400	12927	4483	2828	6616	11911	3783
MEAN	66.7	35.2	92.9	443	931	658	431	145	94.3	213	384	126
MAX	156	97	450	830	2330	2320	1840	328	175	871	2720	149
MIN	41	19	32	141	265	215	126	86	72	88	131	113
CFSM	.20	.10	.27	1.30	2.72	1.92	1.26	.42	.28	.62	1.12	.37
IN.	.22	.11	.31	1.50	2.83	2.22	1.41	.49	.31	.72	1.30	.41

CAL YR 1981 TOTAL 95596 MEAN 262 MAX 4000 MIN 19 CFSM .77 IN 10.40
WTR YR 1982 TOTAL 103767 MEAN 293 MAX 2720 MIN 19 CFSM .87 IN 11.83

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.08	3.04	4.25	4.95	4.96	7.36	5.53	5.52	3.41	3.29	13.75	3.88
2	3.00	2.90	3.12	3.86	7.75	7.36	5.17	5.03	3.38	3.31	12.99	3.75
3	2.90	2.76	2.83	4.07	12.33	7.85	4.98	4.76	3.36	3.47	5.59	3.70
4	2.83	2.60	2.71	4.87	8.53	7.80	4.31	4.55	3.34	3.46	5.38	3.64
5	2.80	2.45	2.65	6.85	7.35	6.75	4.74	4.41	3.37	3.46	5.07	3.61
6	2.76	2.40	2.64	6.35	8.55	6.30	4.56	4.32	3.31	3.65	5.75	3.59
7	2.78	2.39	2.63	5.46	8.76	8.25	4.20	4.30	3.29	3.63	7.18	3.59
8	2.74	2.36	2.63	6.79	8.98	6.91	4.12	4.57	3.28	3.52	5.57	3.60
9	2.92	2.34	2.62	7.27	7.37	7.46	4.07	4.43	3.27	3.71	4.95	3.59
10	2.98	2.60	2.62	7.33	6.45	7.79	3.99	4.19	3.23	3.71	4.76	3.60
11	3.10	2.61	2.62	7.33	6.39	7.67	3.91	4.02	3.22	3.95	4.58	3.63
12	3.00	2.60	3.17	6.86	6.26	6.69	3.86	3.93	3.74	4.87	4.57	3.59
13	2.90	2.52	2.90	5.80	5.34	6.13	3.34	3.85	3.95	3.85	4.47	3.60
14	2.86	2.51	5.96	5.27	5.07	6.02	3.87	3.81	3.58	3.66	4.31	3.66
15	2.84	2.50	4.22	5.08	4.92	5.93	4.63	3.77	3.35	4.20	4.29	3.53
16	2.82	2.48	3.40	5.00	10.67	5.29	4.59	3.79	3.35	5.63	4.36	3.52
17	2.80	2.48	3.11	5.00	12.96	4.90	4.35	3.72	3.51	4.76	4.43	3.48
18	2.78	2.50	2.99	4.88	10.07	4.77	4.26	3.64	3.38	4.63	4.48	3.47
19	2.76	2.49	2.90	5.40	9.66	4.71	4.07	3.60	3.32	3.89	4.22	3.46
20	2.74	2.86	2.85	5.75	9.40	4.63	3.55	3.57	3.25	3.94	4.07	3.41
21	2.72	3.50	2.93	5.67	9.22	6.06	11.73	3.53	3.32	3.86	4.04	3.40
22	2.70	2.76	2.95	5.11	9.32	13.05	8.31	3.74	4.20	3.81	4.11	3.40
23	2.68	2.58	3.12	6.06	8.36	9.39	5.12	4.69	3.50	4.90	4.35	3.39
24	2.66	2.60	3.12	6.23	7.52	9.45	5.26	3.81	3.32	4.80	4.04	3.40
25	2.80	2.58	4.62	5.16	6.52	8.53	5.63	3.71	3.25	8.08	3.91	3.44
26	3.78	2.57	3.51	6.48	6.46	8.32	11.30	3.57	3.28	4.69	3.85	3.42
27	3.99	2.76	3.22	7.59	7.42	7.89	7.91	3.57	3.62	4.25	3.80	3.41
28	3.86	2.81	3.09	7.97	8.40	7.66	6.11	3.49	3.51	4.60	3.78	3.46
29	3.61	2.60	3.00	8.02	---	7.52	5.46	3.44	3.74	4.65	3.74	3.41
30	3.43	2.88	2.95	6.56	---	6.00	5.79	3.40	3.42	4.55	3.71	3.37
31	3.20	---	5.16	5.18	---	5.60	---	3.42	---	7.71	4.61	---
MEAN	2.99	2.63	3.23	5.97	8.16	7.07	5.69	4.00	3.43	4.33	5.14	3.53
MAX	3.99	3.50	5.96	8.02	12.96	13.05	11.73	5.52	4.20	8.08	13.75	3.88
MIN	2.66	2.34	2.62	3.86	4.92	4.63	3.34	3.40	3.22	3.29	3.71	3.37

WTR YR 1982 MEAN 4.66 MAX 13.75 MIN 2.34

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mi (0.8 km) downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2 (254.5 km).

DRAINAGE AREA.--918 mi² (2,378 km²).

PERIOD OF RECORD.--August 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1334: 1953. WRD Miss. 1966: 1965. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft (63.283 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good. Flow from 154 mi² (399 km²) above the station, regulated by Okatibbee Lake since November 1968.

AVERAGE DISCHARGE.--44 years, 1,242 ft³/s (35.17 m³/s), 18.37 in/yr (467 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,700 ft³/s (1,750 m³/s) Feb. 23, 1961, gage height, 42.94 ft (13.088 m), present datum; minimum, 18 ft³/s (0.51 m³/s) Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft (1.204 m) present datum, Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of 42.2 ft (12.86 m) present datum, from floodmark (from reports of National Weather Service).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,730 ft³/s (191 m³/s) Feb. 17, gage height, 21.27 ft (6.483 m), no peak above base of 10,000 ft³/s (283 m³/s); minimum, 66 ft³/s (1.87 m³/s) Oct. 4-6, gage height, 4.55 ft (1.387 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	131	385	1560	929	2510	1160	1100	133	233	3450	237
2	90	122	428	1310	1700	1670	1070	881	130	192	5740	255
3	68	117	326	920	4970	1490	852	754	178	194	3750	241
4	66	105	217	1550	4620	1390	720	661	168	181	1590	219
5	67	85	163	2140	3440	1220	676	575	160	170	824	192
6	66	75	141	1740	2370	1040	661	508	152	166	732	183
7	67	92	126	1260	1820	2110	558	481	162	201	2170	180
8	88	87	120	1290	1700	2520	513	622	136	175	2250	178
9	134	82	117	1420	1510	1920	479	583	130	221	1370	173
10	104	108	112	1260	1240	1560	445	479	122	216	792	174
11	129	102	109	1060	1200	1400	412	409	117	296	669	181
12	116	91	157	929	1050	1240	380	359	170	645	669	185
13	118	91	223	714	983	1040	359	328	266	554	692	196
14	123	86	723	692	801	963	348	304	318	431	570	214
15	109	78	923	698	736	925	768	292	228	460	498	246
16	98	77	617	852	3520	929	557	279	181	650	583	203
17	92	76	369	1100	6630	695	472	273	216	601	630	194
18	88	74	268	929	6550	653	486	246	239	720	601	187
19	87	74	225	915	5570	632	440	233	223	424	459	173
20	85	73	198	905	3100	617	1850	219	187	364	390	171
21	85	134	190	857	1950	972	5100	208	152	343	338	165
22	85	142	235	815	1670	4770	4730	201	336	296	312	162
23	90	92	266	1170	1530	4690	3740	371	221	562	404	162
24	98	99	238	2170	1310	3290	1850	290	160	995	310	158
25	141	99	528	1300	1000	2190	2620	325	144	1390	277	163
26	663	101	562	1270	959	1830	4980	340	150	643	252	165
27	562	106	455	1190	2250	1580	3350	286	225	375	243	162
28	336	130	330	1190	3150	1390	1650	261	241	657	234	165
29	239	117	273	1170	---	1270	1130	239	498	706	219	165
30	193	136	235	1350	---	1070	1090	209	316	854	208	158
31	152	---	559	779	---	962	---	192	---	1600	271	---
TOTAL	4531	2993	9817	36608	68296	50344	43474	12508	6149	15315	31577	5609
MEAN	146	99.8	317	1181	2439	1624	1449	403	205	494	1019	187
MAX	663	142	923	2170	6630	4770	5100	1100	498	1600	5740	255
MIN	66	73	109	692	736	617	348	192	117	166	208	158
CFSM	.16	.11	.35	1.29	2.66	1.77	1.58	.44	.22	.54	1.11	.20
IN.	.18	.12	.40	1.48	2.77	2.04	1.76	.51	.25	.62	1.28	.23

CAL YR 1981 TOTAL 270593 MEAN 741 MAX 16200 MIN 65 CFSM .81 IN 10.97
WTR YR 1982 TOTAL 287211 MEAN 787 MAX 6630 MIN 66 CFSM .86 IN 11.64

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.85	5.05	6.47	10.44	8.63	13.04	8.97	8.76	5.30	5.55	15.04	5.77
2	4.74	4.99	6.56	9.69	10.62	10.77	8.68	8.08	5.28	5.35	19.64	5.87
3	4.57	4.96	6.20	8.40	14.23	10.20	7.98	7.65	5.27	5.36	15.70	5.79
4	4.55	4.89	5.63	10.36	17.56	9.83	7.54	7.33	5.21	5.29	10.50	5.62
5	4.56	4.75	5.32	12.12	15.26	9.27	7.39	7.02	5.17	5.22	8.06	5.52
6	4.55	4.70	5.18	10.96	12.69	8.66	7.33	6.77	5.12	5.20	7.90	5.47
7	4.56	4.81	5.09	9.51	11.21	11.98	7.05	6.67	5.06	5.39	12.17	5.44
8	4.72	4.78	5.05	9.63	10.87	13.06	6.79	7.19	5.02	5.26	12.41	5.43
9	5.04	4.74	5.03	10.06	10.29	11.44	6.66	7.06	4.99	5.50	9.85	5.40
10	4.84	4.94	5.00	9.54	9.53	10.35	6.52	6.65	4.94	5.46	7.91	5.41
11	5.00	4.90	4.98	8.85	9.33	9.36	6.39	6.35	4.91	5.83	7.52	5.45
12	4.91	4.82	5.28	8.43	8.84	9.29	6.27	6.18	5.20	7.26	7.52	5.46
13	4.94	4.83	5.66	7.67	8.61	8.61	6.18	6.04	5.74	6.93	7.62	5.52
14	4.97	4.73	7.70	7.60	7.99	8.38	6.13	5.93	5.99	6.46	7.16	5.62
15	4.88	4.74	8.50	7.62	7.75	8.24	7.65	5.87	5.53	6.57	6.39	5.79
16	4.80	4.75	7.40	8.16	14.98	7.92	6.94	5.80	5.29	7.27	7.22	5.59
17	4.76	4.73	6.41	9.00	21.11	7.46	6.63	5.77	5.47	7.10	7.41	5.50
18	4.73	4.71	5.91	8.43	20.98	7.29	6.68	5.63	5.59	7.53	7.30	5.46
19	4.72	4.72	5.67	8.05	19.31	7.23	6.50	5.55	5.51	6.44	6.79	5.41
20	4.71	4.71	5.52	8.35	14.61	7.17	10.96	5.49	5.32	6.19	6.47	5.37
21	4.71	5.12	5.48	8.19	11.56	7.90	18.46	5.43	5.18	6.13	6.25	5.36
22	4.71	5.18	5.56	8.04	10.76	17.84	17.78	5.39	6.07	5.89	6.13	5.31
23	4.74	4.86	5.79	9.20	10.33	17.70	15.79	6.21	5.49	6.95	6.56	5.29
24	4.80	4.91	6.02	12.13	9.65	14.87	11.16	5.86	5.17	8.44	6.13	5.28
25	5.06	4.91	7.06	11.13	8.60	12.24	12.97	6.03	5.07	9.76	5.97	5.31
26	7.46	4.92	7.20	9.56	8.46	11.16	18.25	6.10	5.11	7.23	5.84	5.32
27	7.09	4.96	6.77	9.31	12.32	10.59	14.98	5.83	5.51	6.25	5.80	5.30
28	6.17	5.11	6.23	9.31	14.56	9.78	10.57	5.71	5.58	6.55	5.75	5.31
29	5.66	5.03	5.96	9.22	---	9.35	8.85	5.59	6.73	7.49	5.68	5.31
30	5.36	5.14	5.73	8.82	---	8.67	8.74	5.43	5.98	7.93	5.62	5.27
31	5.17	---	6.99	7.91	---	8.36	---	5.35	---	10.38	5.96	---
MEAN	5.04	4.88	6.05	9.22	12.29	10.27	9.63	6.28	5.39	6.59	8.28	5.46
MAX	7.46	5.18	8.50	12.13	21.11	17.84	18.46	8.76	6.73	10.38	19.64	5.87
MIN	4.55	4.70	4.98	7.60	7.75	7.17	6.13	5.35	4.91	5.20	5.62	5.27

CAL YR 1981 MEAN 6.95 MAX 29.33 MIN 4.55
WTR YR 1982 MEAN 7.40 MAX 21.11 MIN 4.55

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

LOCATION.--Lat 31°51'25", long 88°41'11", in NW¼ sec.10, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on county road, 0.5 mi (0.8 km) southeast of Shubuta and at mile 114.0 (183.5 km).

DRAINAGE AREA.--1,458 mi² (3,776 km²).

PERIOD OF RECORD.--January 1972 to current year (gage heights only); 1905 to 1961 annual maximum observed gage heights and discharge. Gage height records collected in the vicinity October 1904 to December 1971 (seasonal gage heights only January 1906 to December 1923) are contained in reports of National Weather Service.

REVISED RECORDS.--WDR MS-79-1:(M).

GAGE.--Nonrecording gage. Datum of gage is 147.58 ft (44.982 m) National Geodetic Vertical Datum of 1929. Nov. 1, 1904 to Apr. 18, 1923 at datum about 0.58 ft (0.177 m) lower; Apr. 19, 1923 to Mar. 12, 1940 at datum 3.62 ft (1.103 m) higher, Mar. 13, 1940 to Oct. 23, 1980 at site 3,500 ft (1,070 m) downstream, at datum 0.28 ft (0.853 m) lower.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft³/s (2,440 m³/s) Dec. 11, 1919 (gage height, 44.3 ft or 13.50 m, former site and datum, 47.2 ft or 14.39 m at present site and datum).
1904 to current year: Maximum gage height, 47.2 ft (14.39 m) Dec. 11, 1919; minimum since January 1972, 2.25 ft (0.686 m) Oct. 5, 7, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 22.19 ft (6.764 m) Feb. 4; minimum observed, 2.25 ft (0.686 m) Oct. 5, 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.53	2.79	4.12	---	7.43	14.81	7.61	8.21	3.97	4.51	12.10	3.17
2	2.56	2.79	5.05	---	8.91	13.73	8.77	7.97	3.40	4.00	15.56	3.46
3	2.51	2.77	5.31	---	17.90	12.20	8.22	7.40	3.25	3.51	17.41	3.34
4	2.40	2.74	4.84	---	22.19	10.71	8.01	6.80	3.23	5.24	16.77	3.45
5	2.25	2.72	4.16	---	20.19	9.80	7.70	6.25	3.15	3.07	11.37	3.20
6	2.26	2.71	3.71	---	18.26	8.59	6.28	5.97	3.04	3.02	7.19	3.12
7	2.25	2.69	3.36	---	15.10	9.58	6.18	5.44	2.98	3.00	[illegible]	3.07
8	2.27	2.62	3.19	---	12.09	12.87	6.02	7.08	2.91	2.99	10.54	3.03
9	2.64	2.50	3.02	12.06	10.90	13.31	5.71	7.81	2.86	3.14	10.86	3.03
10	2.69	2.51	2.95	10.13	12.96	11.93	5.09	7.91	2.81	3.51	8.58	3.90
11	2.76	2.61	2.90	8.61	10.65	10.27	4.93	6.70	2.79	3.64	6.54	3.68
12	2.78	2.77	3.03	10.06	9.72	9.00	4.82	5.05	2.75	4.35	5.60	4.20
13	2.33	2.78	3.23	12.29	9.05	8.46	4.68	4.79	2.86	6.96	6.47	3.69
14	2.78	2.79	3.95	9.22	8.65	8.02	4.56	4.45	3.10	6.92	6.02	4.16
15	2.70	2.79	9.04	8.44	7.80	7.53	4.69	4.25	3.75	5.87	5.46	3.39
16	2.66	2.83	9.39	7.55	10.51	7.00	5.93	4.19	3.55	5.55	5.10	3.30
17	2.62	2.81	7.54	8.01	[illegible]	6.69	6.24	4.06	3.35	6.03	7.70	3.41
18	2.56	2.77	6.23	8.56	21.14	6.49	6.04	3.88	3.41	5.79	5.59	3.24
19	2.48	2.73	5.31	8.04	20.60	6.23	5.47	3.81	3.52	6.01	5.52	3.16
20	2.49	2.78	4.19	7.10	20.55	6.08	5.53	3.73	3.51	4.97	4.93	3.03
21	2.50	2.74	3.91	7.10	17.58	5.96	16.24	3.62	3.22	4.59	4.54	2.97
22	2.49	2.81	3.76	7.08	15.76	5.82	18.66	[illegible]	3.20	4.31	4.28	2.89
23	2.48	3.09	3.89	7.02	11.02	13.81	18.51	3.64	3.40	5.69	4.38	2.86
24	2.47	3.10	4.08	9.20	9.65	15.93	17.87	3.95	3.32	6.37	4.42	2.82
25	2.47	2.86	5.19	12.19	8.41	15.43	15.82	4.22	3.26	7.07	4.11	2.81
26	2.95	2.81	6.77	10.22	7.90	12.63	19.13	4.19	3.50	8.65	4.39	2.81
27	3.29	2.76	---	8.13	8.43	10.66	20.55	4.15	3.38	6.52	3.59	2.83
28	4.83	2.78	---	7.66	13.95	9.69	18.11	4.07	3.58	4.40	3.65	2.90
29	4.70	2.95	---	7.79	---	8.53	13.28	3.89	4.29	4.35	3.32	2.79
30	4.05	3.09	---	7.33	---	8.07	8.70	3.61	4.76	5.37	3.26	2.78
31	3.59	---	---	7.75	---	7.59	---	3.44	---	6.79	3.18	---
MEAN	2.90	2.78	---	---	13.51	9.92	9.55	5.10	3.35	5.04	7.38	3.21
MAX	4.83	3.10	---	---	22.19	15.93	20.55	8.21	4.76	8.65	17.41	4.20
MIN	2.25	2.50	---	---	7.43	5.82	4.56	3.44	2.75	2.99	3.18	2.78

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MS

LOCATION.--Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank 18 ft (5.5 m) downstream from bridge on U.S. Highway 84, 2.3 mi (3.7 km) west of Waynesboro, and at mile 93.2 (150.0 km).

DRAINAGE AREA.--1,650 mi² (4,270 km²).

PERIOD OF RECORD.--September 1938 to September 1950; January 1972 to current year (gage heights only). Gage-height records collected at same site January 1947 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage and telemark gage. Datum of gage is 119.91 ft (36.549 m) Mississippi State Highway Department datum. September 1938 to May 4, 1939, wire-weight gage and May 5, 1939, to September 1950, water-stage recorders, at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--12 years (1938-50), 2,575 ft³/s (72.9 m³/s), 21.06 in/yr (535 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft³/s (736 m³/s) Jan. 24, 1947 (gage height, 39.00 ft or 11.887 m); minimum, 149 ft³/s (4.22 m³/s) Aug. 28, 1943 (gage height, 2.48 ft or 0.756 m). 1947 to current year: Maximum gage height, 47.90 ft (14.600 m) Feb. 26, 1961 (discharge, 58,300 ft³/s or 1,651 m³/s); minimum since January 1972, 0.80 ft (0.244 m) Oct. 15, 16, 17, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 51.5 ft (15.70 m) at site 1.3 mi (2.1 km) upstream, at datum 2.95 ft (0.899 m) higher and about 50 ft (15.2 m) at present site and datum (discharge about 73,000 ft³/s or 2,070 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 22.66 ft (6.907 m) Feb. 5, minimum observed, 3.16 ft (0.963 m) Oct. 8, 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.28	4.30	3.86	7.27	12.04	15.23	9.84	9.65	3.97	6.95	12.37	3.92
2	3.26	3.90	4.43	9.41	11.97	15.09	9.27	9.55	5.14	5.75	15.39	4.12
3	3.24	3.70	6.17	11.21	19.56	13.10	9.55	8.83	4.62	5.22	17.67	4.13
4	3.23	3.60	6.11	12.47	22.29	10.99	8.65	8.13	4.53	4.72	17.64	4.05
5	3.19	3.60	5.94	14.10	22.66	10.39	7.99	7.61	4.43	4.46	15.16	4.12
6	3.17	3.60	5.35	14.01	21.91	9.92	7.48	7.18	4.30	4.31	9.81	3.97
7	3.17	3.50	5.00	13.86	20.90	10.49	7.34	6.72	4.26	4.20	8.76	3.84
8	3.16	3.40	4.76	13.72	16.41	12.96	7.20	7.05	4.10	4.16	9.36	3.76
9	3.16	3.30	4.60	13.68	12.32	14.41	6.93	8.85	4.02	4.13	11.77	3.70
10	3.42	3.40	4.52	13.62	14.39	13.57	6.31	7.79	3.94	4.22	10.83	4.10
11	3.64	3.50	4.46	13.44	[illegible]	11.65	6.11	6.99	3.99	5.45	8.65	4.35
12	3.76	3.60	4.37	13.22	11.42	10.31	6.04	6.38	3.96	7.64	7.14	4.20
13	3.63	3.70	4.36	13.01	11.02	9.84	5.80	5.99	3.96	7.48	7.56	4.75
14	3.59	3.70	4.35	12.86	10.44	9.17	5.67	5.70	4.03	8.41	7.36	4.49
15	3.69	---	7.68	12.76	9.54	8.75	5.57	5.55	4.73	8.30	6.68	4.55
16	3.62	3.50	10.76	12.62	13.13	8.50	5.66	5.42	4.83	8.72	6.23	4.12
17	3.44	3.60	10.41	12.45	17.39	8.26	7.36	5.32	4.67	7.74	8.16	4.13
18	3.37	3.60	9.43	12.35	21.05	7.80	7.15	5.20	4.62	7.54	7.92	5.30
19	3.31	3.60	8.77	12.30	21.21	7.43	6.67	5.08	4.52	6.93	6.54	4.08
20	3.25	3.60	8.27	12.23	20.95	7.23	6.56	4.93	4.51	6.75	6.18	3.90
21	3.20	3.60	7.91	12.10	20.32	7.11	12.23	4.78	4.55	6.08	---	3.80
22	3.19	5.40	7.60	12.00	18.17	6.98	18.49	4.70	5.51	5.57	---	3.71
23	3.18	4.80	7.33	11.85	12.31	11.30	19.27	4.61	4.58	7.34	---	3.61
24	3.22	4.20	7.13	11.80	10.78	15.67	19.73	4.64	4.94	9.24	---	3.56
25	3.28	4.10	7.02	11.94	10.50	16.41	18.00	5.07	4.67	7.83	5.23	3.54
26	3.51	3.90	7.13	12.68	9.43	14.97	17.97	5.16	5.71	9.37	4.37	3.66
27	3.86	3.80	7.39	12.56	9.51	12.55	20.69	5.05	5.25	14.20	5.15	3.60
28	6.56	3.90	7.49	12.44	12.77	10.76	20.26	5.17	6.71	6.95	4.32	3.55
29	6.13	3.80	7.49	12.31	---	9.90	17.10	4.95	7.16	5.90	4.17	3.52
30	5.36	3.80	7.40	12.18	---	9.23	12.35	4.70	6.10	5.90	4.08	3.50
31	4.30	---	7.23	12.10	---	8.07	---	4.55	---	7.26	4.01	---
MEAN	3.66	---	6.41	12.41	15.22	10.93	10.57	6.17	4.74	6.73	---	3.99
MAX	6.56	---	10.76	14.10	22.66	16.41	20.69	9.65	7.16	14.20	---	5.30
MIN	3.16	---	3.86	7.27	9.43	6.98	5.57	4.55	3.94	4.13	---	3.50

02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

LOCATION.--Lat 31°41'38", long 88°31'10", in NE¼ sec.6, T.8 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank on downstream side of bridge on county road, 2.7 mi (4.3 km) north of Denham, and 8.7 mi (14.0 km) east of Waynesboro.

DRAINAGE AREA.--492 mi² (1,274 km²).

PERIOD OF RECORD.--January 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 141.15 ft (43.023 m) National Geodetic Vertical Datum of 1929. Prior to water year 1975, at datum 3.94 ft (1.201 m) lower.

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 854 ft³/s (24.19 m³/s), 23.57 in/yr (599 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s (346 m³/s) Mar. 6, 1979, gage height, 34.90 ft (10.638 m), minimum, 7.8 ft³/s (0.22 m³/s) Sept. 21-22, 1972, gage height, 3.92 ft (1.195 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,260 ft³/s (121 m³/s) Feb. 3, gage height 20.03 ft (6.105 m), only peak above base of 4,000 ft³/s (113 m³/s); minimum discharge, 17 ft³/s (0.48 m³/s) Oct. 7, 8, gage height, 4.14 ft (1.262 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	61	70	626	690	963	405	772	234	231	2390	92
2	19	51	61	659	1430	994	446	599	284	195	2340	86
3	18	45	70	789	4020	873	442	495	143	145	1510	82
4	17	41	131	1380	3720	676	360	411	115	110	1290	77
5	17	44	157	1090	3170	582	333	347	98	92	1330	73
6	17	40	136	1070	2920	553	322	301	82	80	1260	70
7	17	35	92	1160	2790	1160	296	274	73	91	1060	70
8	17	32	65	1280	2340	1090	336	353	65	82	806	67
9	18	29	56	1330	2900	1020	295	413	59	70	756	64
10	19	33	51	1200	2550	909	252	507	56	181	593	62
11	20	34	48	839	1760	690	230	390	54	694	407	63
12	21	31	50	530	1530	575	207	283	51	940	308	71
13	33	28	53	454	1570	517	187	227	49	374	249	62
14	32	29	82	770	1210	681	170	193	47	249	237	104
15	29	36	199	762	1030	452	158	172	62	397	307	68
16	25	36	511	643	1930	425	151	157	110	624	1040	58
17	24	36	538	593	2600	388	164	162	103	613	1490	54
18	22	35	392	577	2170	360	254	131	97	599	569	61
19	23	34	242	520	1910	335	228	124	80	460	340	59
20	22	32	173	429	1890	313	522	115	74	526	254	51
21	21	32	136	380	2020	295	2050	107	70	652	207	47
22	21	31	115	349	2040	280	1770	101	149	322	177	45
23	20	29	103	388	1240	269	1530	101	128	524	207	42
24	19	31	109	650	749	423	1390	94	83	591	211	39
25	20	29	411	851	630	670	2660	89	101	1050	170	42
26	26	29	479	953	564	602	3580	89	266	723	151	45
27	47	31	485	873	643	577	2980	97	520	460	165	51
28	36	35	454	564	820	549	2360	88	736	289	125	41
29	67	41	437	405	---	417	1840	82	659	209	112	37
30	86	40	320	342	---	362	1370	83	354	169	103	35
31	73	---	320	415	---	365	---	83	---	340	97	---
TOTAL	866	1070	6656	22871	53526	16135	27058	7420	5052	12142	20261	1823
MEAN	27.9	35.7	215	738	1912	585	903	239	168	392	653	60.8
MAX	86	61	538	1380	4020	1160	3580	772	736	1050	2390	104
MIN	17	28	48	342	564	269	151	82	47	70	97	35
CFSM	.06	.07	.44	1.50	3.89	1.19	1.84	.49	.34	.80	1.33	.12
IN.	.07	.08	.50	1.73	4.05	1.37	2.05	.56	.38	.92	1.53	.14

CAL YR 1981 TOTAL 139330 MEAN 382 MAX 4250 MIN 17 CFSM .78 IN 10.53
WTR YR 1982 TOTAL 176890 MEAN 485 MAX 4020 MIN 17 CFSM .99 IN 13.37

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in SW¼ sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank at downstream side of bridge on State Highway 63, 0.5 mi (0.8 km) southeast of Leakesville, 1.8 mi (2.9 km) upstream from Faulk Ditch, and 29.1 mi (46.8 km) upstream from confluence with Leaf River.

DRAINAGE AREA.--2,690 mi² (6,967 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1504: 1938-39.

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft (15.584 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 3,863 ft³/s (109.4 m³/s), 19.50 in/yr (495 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft³/s (2,080 m³/s) Feb. 28, 1961, gage height, 33.52 ft (10.217 m); minimum, 160 ft³/s (4.53 m³/s) Oct. 30, 31, 1963, gage height, 6.74 ft (2.054 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 38 ft (11½ m), and a flood in July 1916 reached a stage of 34.12 ft (10.400 m), discharge, 68,000 ft³/s (1,950 m³/s), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,700 ft³/s (473 m³/s) Feb. 5, gage height, 23.61 ft (7.196 m); minimum, 341 ft³/s (9.66 m³/s) Oct. 8; gage height, 7.89 ft (2.405 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	401	720	449	2170	2670	4940	3090	6180	760	1860	1990	692
2	392	626	476	2560	4050	6100	3150	4160	933	1640	5200	656
3	383	538	598	3290	12000	6170	3080	3440	1440	1330	7460	643
4	377	485	730	4050	15400	5210	3020	2950	1110	1060	7970	656
5	371	452	872	5120	16200	4170	2730	2540	864	976	7640	626
6	368	446	864	5460	15900	3800	2400	2200	748	764	6270	622
7	356	446	752	5200	14300	4380	2260	1970	688	724	4340	605
8	344	425	626	6270	11700	5620	2120	2260	640	680	3800	584
9	344	401	552	6190	9170	5970	2050	2340	608	683	4180	559
10	359	407	503	5660	8240	6090	2010	2470	590	744	4460	549
11	386	401	473	4600	8710	5550	1790	2240	563	588	3760	584
12	428	410	507	3790	7630	4480	1620	1920	552	1100	2750	672
13	449	413	591	3600	7790	3780	1530	1600	545	2060	2060	716
14	440	422	732	3930	7160	3460	1450	1380	524	2280	1830	794
15	428	428	1010	4110	5790	3170	1380	1250	521	2050	1720	736
16	422	419	1650	3740	6060	2920	1330	1140	580	2010	1720	800
17	407	386	2610	3230	8320	2760	1320	1060	656	2130	2670	720
18	404	383	2520	3010	10500	2620	1570	993	740	2600	4130	1040
19	389	389	1930	3040	11700	2420	1660	936	720	2340	3010	840
20	374	383	1400	2940	12100	2260	1680	889	698	1930	2020	780
21	365	374	1100	2610	11700	2140	3380	848	698	1870	1620	656
22	362	371	943	2610	11500	2040	7660	820	732	1940	1360	585
23	359	497	852	2340	10100	1960	9290	796	748	1490	1190	547
24	350	580	864	2360	6580	3310	9610	792	828	1730	1050	531
25	350	476	1170	3070	4630	5280	10500	780	736	2420	1020	531
26	365	431	1840	3930	4070	6010	13800	836	756	2560	1010	549
27	389	404	2350	4190	3650	5500	13900	902	856	2780	952	559
28	455	389	2520	3580	3950	4350	13400	865	1400	2470	933	565
29	724	385	2860	3000	---	3600	12500	852	2280	1750	836	545
30	925	378	2230	2660	---	3150	9780	812	2210	1370	790	526
31	816	---	1950	2560	---	3000	---	768	---	1320	740	---
TOTAL	13282	13286	38632	114690	251530	126200	144850	52990	25744	51254	90466	19470
MEAN	428	443	1246	3700	8982	4071	4828	1709	858	1653	2918	649
MAX	925	720	2860	6270	16200	6170	13900	6180	2280	2780	7970	1040
MIN	344	371	449	2170	2670	1960	1320	768	521	680	740	526
CFSM	.16	.17	.46	1.38	3.34	1.51	1.80	.64	.32	.61	1.09	.24
IN.	.18	.18	.53	1.59	3.48	1.75	2.00	.73	.36	.71	1.25	.27

CAL YR 1981 TOTAL 812628 MEAN 2226 MAX 19800 MIN 344 CFSM .83 IN 11.24
WTR YR 1982 TOTAL 942364 MEAN 2582 MAX 16200 MIN 344 CFSM .96 IN 13.03

02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mi (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi (0.8 km) west of Merrill, and at mile 80.8 (130 km).

DRAINAGE AREA.--6,590 mi² (17,100 km²).

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft (8.001 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analysis for the current year at site 13.8 mi (22.2 km) downstream (station 02479020).

AVERAGE DISCHARGE.--52 years, 9,873 ft³/s (279.6 m³/s), 20.35 in/yr (517 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft³/s (5,040 m³/s) Feb. 27, 1961, gage height, 30.66 ft (9.345 m); minimum, 696 ft³/s (19.7 m³/s) Nov. 3, 1936; minimum gage height, 1.92 ft (0.585 m) Oct. 21-26, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 32.5 ft (9.91 m), and the flood of July 9, 1916, reached a stage of 31.0 ft (9.45 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 41,400 ft³/s (1,170 m³/s) Feb. 6, gage height, 20.59 ft (6.276 m); minimum discharge, 1,180 ft³/s (33.4 m³/s) Oct. 24, 25, gage height, 2.31 ft (0.704 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1370	1930	1580	6990	6190	13000	7340	18600	2390	4160	6310	2210
2	1340	1800	1930	7340	9190	14600	10100	13500	2250	3790	11900	2060
3	1310	1670	2350	8760	26500	15000	10400	10200	2540	3470	15600	1930
4	1280	1540	2610	10600	35900	13700	9240	8100	2790	2950	17300	1870
5	1250	1450	2600	14300	40300	11200	9010	6580	2440	2490	17000	1820
6	1240	1450	2420	14700	41200	9500	6640	5950	2130	2250	15600	1750
7	1230	1490	2260	13200	39500	10300	5740	5270	1940	2300	12700	1720
8	1220	1520	2040	17700	35800	14500	5240	5690	1810	2080	10500	1690
9	1220	1420	1660	19000	29300	15900	4850	6480	1730	1890	9530	1630
10	1250	1360	1720	15300	24600	15000	4670	7310	1640	2120	8730	1620
11	1330	1340	1630	12300	22200	14100	4380	6670	1590	2550	8530	1750
12	1380	1340	1630	10400	19300	12200	3990	5470	1550	2230	7760	1870
13	1420	1420	2270	10700	20800	10000	3720	4670	1700	3130	6410	2230
14	1420	1440	3010	12200	22000	8680	3520	4060	1630	5020	5120	2550
15	1370	1400	4470	12300	18800	7970	3370	3650	1540	4370	4570	2930
16	1340	1380	6130	11700	17600	7210	3260	3380	1550	4210	5000	2490
17	1330	1340	7210	10100	21300	6700	3180	3150	1670	4180	7600	2360
18	1290	1310	7330	9130	25300	6320	3290	2960	1740	5120	7300	3390
19	1270	1310	6420	8750	29000	5970	3490	2800	1790	4990	6830	3980
20	1250	1300	5030	8650	31700	5570	3670	2660	1790	4200	5280	2820
21	1220	1280	4010	8040	32800	5250	7050	2560	1810	3670	4520	2370
22	1200	1270	3420	7140	32500	5000	15600	2460	2160	3710	4000	2060
23	1190	1270	3060	6610	29300	4780	19800	2460	2530	3780	3410	1900
24	1150	1450	2920	6360	23100	6930	21200	2430	2160	3940	2990	1800
25	1130	1490	4140	6980	15100	7540	23900	2450	1970	5360	2720	1740
26	1220	1410	6350	8360	10700	9730	29400	2950	1800	6540	2700	1780
27	1340	1370	7370	9360	9700	9990	29700	3060	1930	6390	2590	1870
28	1540	1340	7160	8960	10500	8450	28300	3010	3040	6060	2430	1830
29	1770	1350	7840	7620	---	7620	26200	2750	4490	5210	2350	1780
30	1990	1420	7130	6520	---	6600	22900	2530	4570	4180	2310	1730
31	2060	---	6150	6090	---	6120	---	2440	---	3900	2220	---
TOTAL	42030	42890	126150	317140	681160	293730	332150	156550	64650	120690	221860	63530
MEAN	1355	1430	4069	10230	24330	9475	11070	5050	2155	3893	7157	2118
MAX	2060	1930	7840	19000	41200	15900	29700	18600	4570	6540	17300	3980
MIN	1130	1270	1580	6090	6190	4780	3180	2430	1540	1890	2220	1620
CFSM	.21	.22	.62	1.55	3.69	1.44	1.68	.77	.33	.59	1.09	.32
IN.	.24	.24	.71	1.79	3.85	1.66	1.87	.88	.37	.68	1.25	.36

CAL YR 1981 TOTAL 2172700 MEAN 5953 MAX 46800 MIN 1130 CFSM .90 IN 12.26
WTR YR 1982 TOTAL 2462510 MEAN 6747 MAX 41200 MIN 1130 CFSM 1.02 IN 13.90

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.56	3.24	2.90	7.36	6.33	11.30	8.03	14.03	4.09	5.71	7.27	3.77
2	2.52	3.09	3.31	7.90	8.72	12.16	9.73	11.53	3.95	5.40	10.71	3.60
3	2.49	2.96	3.76	8.54	16.39	12.31	9.92	9.77	4.24	5.12	12.63	3.45
4	2.44	2.79	4.33	9.72	19.46	11.65	9.22	8.52	4.49	4.65	13.44	3.38
5	2.41	2.72	4.01	11.95	20.36	10.33	8.46	7.72	4.15	4.20	13.29	3.31
6	2.39	2.69	3.33	12.16	20.54	9.35	7.55	7.09	3.82	3.95	12.56	3.23
7	2.38	2.74	3.65	11.32	20.20	9.83	6.93	6.58	3.61	4.00	11.15	3.18
8	2.36	2.77	3.41	13.59	19.44	12.07	6.56	6.89	3.47	3.77	9.98	3.14
9	2.36	2.65	3.20	14.19	17.95	12.76	6.26	7.45	3.37	3.56	9.39	3.07
10	2.40	2.58	3.04	12.48	16.38	12.33	6.12	8.01	3.27	3.80	8.90	3.04
11	2.51	2.56	2.92	10.76	15.50	11.85	5.89	7.57	3.21	4.26	8.32	3.19
12	2.58	2.56	2.99	9.62	14.56	10.83	5.57	6.73	3.16	3.93	8.29	3.31
13	2.63	2.66	3.63	9.80	14.97	9.69	5.36	6.12	3.34	4.95	7.38	3.71
14	2.62	2.69	4.36	10.71	15.45	8.83	5.17	5.63	3.26	6.37	6.46	4.03
15	2.56	2.64	5.62	11.07	14.12	8.37	5.03	5.28	3.15	6.23	6.02	4.39
16	2.52	2.62	6.29	10.43	13.57	7.94	4.93	5.06	3.16	5.75	6.34	3.96
17	2.51	2.57	7.53	9.36	15.16	7.60	4.86	4.83	3.30	5.73	8.17	3.81
18	2.46	2.52	7.66	8.72	16.61	7.34	4.96	4.65	3.38	6.47	7.96	4.74
19	2.43	2.53	7.04	8.45	17.71	7.09	5.14	4.50	3.44	6.37	7.63	5.29
20	2.40	2.52	6.02	8.33	13.47	6.80	5.30	4.37	3.44	5.74	6.53	4.25
21	2.36	2.50	5.21	7.94	13.79	6.57	7.70	4.27	3.47	5.30	5.93	3.77
22	2.34	2.43	4.70	7.37	13.70	6.39	12.58	4.17	3.84	5.33	5.51	3.47
23	2.33	2.49	4.36	7.02	17.79	6.21	14.57	4.17	4.24	5.39	4.99	3.28
24	2.31	2.73	4.23	6.96	15.83	6.32	15.15	4.14	3.85	5.44	4.60	3.16
25	2.31	2.78	5.27	7.29	12.37	8.15	16.10	4.16	3.64	6.64	4.34	3.08
26	2.37	2.67	5.95	8.23	9.39	9.51	17.82	4.65	3.45	7.49	4.31	3.12
27	2.52	2.62	7.64	8.92	9.42	9.65	17.91	4.75	3.60	7.39	4.20	3.21
28	2.76	2.60	7.48	8.67	9.97	9.93	17.52	4.70	4.72	7.16	4.33	3.16
29	3.04	2.61	7.92	7.76	---	8.21	16.90	4.65	5.97	6.54	3.93	3.13
30	3.30	2.70	7.46	7.04	---	7.53	15.77	4.26	6.04	5.73	3.89	3.03
31	3.38	---	6.79	6.75	---	7.20	---	4.15	---	5.49	3.79	---
MEAN	2.53	2.68	5.09	9.37	13.56	9.20	9.43	6.14	3.80	5.41	7.50	3.54
MAX	3.38	3.24	7.92	14.19	20.54	12.76	17.91	14.03	6.04	7.49	13.44	5.29
MIN	2.31	2.43	2.90	6.75	6.33	6.21	4.96	4.14	3.15	3.56	3.79	3.03

CAL YR 1981 MEAN 5.99 MAX 22.42 MIN 2.31
WTR YR 1982 MEAN 6.64 MAX 20.54 MIN 2.31

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS
(National stream-quality accounting network station)

LOCATION.--Lat 30 52 42 , long 88 45 20 , on line between secs.15 and 22, T.2 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, on downstream side of bridge on State Highway 26, 2.1 mi (3.4 km) east of Benndale, and at mile 67.0 (107.8 km).

DRAINAGE AREA.--6,630 mi2 (17,301 km2).

PERIOD OF RECORD.--Water years 1958-60, 1962, 1964-65, 1970 to current year.

REVISED RECORD.--WDR MS-80-1: Drainage area.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: August 1958 to September 1960, October 1960 to September 1981.

REMARKS.--Prior to Sept. 3, 1980, daily values of specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. Stream discharge determined 13.8 mi (22.1 km) upstream (station 02479030). In water years 1958-59, 1962-63, and 1966-75, equivalent data was collected 13.8 mi (22.1 km) upstream (station 02479000).

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARBONATE (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
NOV												
10...	1030	1500	37	7.1	17.5	6.7	8.8	96	190	16	.00	4.5
JAN												
11...	1500	13900	64	6.3	8.0	45	9.0	420	600	16	8.0	4.4
MAR												
09...	1300	17900	48	6.1	13.0	32	8.5	250	160	12	4.0	3.5
MAY												
18...	1430	3240	90	6.7	26.0	8.5	7.2	230	667	22	3.0	6.4
JUL												
13...	1430	3830	70	6.8	27.0	14	8.3	300	120	18	5.0	6.9
SEP												
09...	1200	1770	125	7.1	26.5	6.0	7.6	410	120	19	.00	5.4

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV											
10...	1.2	11	57	1.2	1.3	16	4.9	12	<.1	10	68
JAN											
11...	1.2	6.0	45	.7	.1	8.0	6.9	9.6	<.1	9.4	--
MAR											
09...	.9	3.8	37	.5	1.3	8.0	4.6	6.4	<.1	8.3	66
MAY											
18...	1.4	6.8	39	.7	1.2	19	6.0	9.6	<.1	11	65
JUL											
13...	1.3	7.1	45	.8	1.3	13	5.0	8.7	<.1	9.8	68
SEP											
09...	1.3	13	66	1.9	1.0	41	5.0	8.8	.2	12	90

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
NOV 10...	55	.09	275	.36	.070	.25	.100	.050	.030	18	73
JAN 11...	42	.06	1580	.13	.030	.46	.070	.020	.020	130	4840
MAR 29...	34	.09	3190	.20	.060	5.40	.060	.020	.020	72	3430
MAY 18...	55	.09	569	.36	.070	.50	.070	.050	.030	96	840
JUL 13...	46	.09	703	.22	.060	.50	.060	.050	.030	93	962
SEP 09...	77	.12	430	.11	.040	.90	.090	.070	.060	44	210

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
NOV 10...	1	1	0	100	70	28	<1	--	3	20
MAY 18...	1	0	1	100	50	46	5	0	5	10

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
NOV 10...	<10	<1	--	<1	5	0	--	830	400	430
MAY 18...	<10	2	0	2	4	0	5	1300	810	490

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
NOV 10...	4	2	2	50	20	33	.2	.1	.1	1
MAY 18...	5	2	3	130	40	89	.6	--	<.1	5

DATE	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
NOV 10...	0	1	<1	<1	<1	<1	40	20	17
MAY 18...	0	5	<1	<1	<1	<1	20	10	8

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02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 0317007, near right bank at downstream side of downstream bridge of dual bridges on U.S. Highway 49, 1.1 mi (1.8 km) southwest of Brooklyn, and 4.5 mi (7.2 km) upstream from Chaney Creek.

DRAINAGE AREA.--355 mi² (919 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1942-45, 1954-57, 1959, 1961, 1964-66 (revised). October 1970 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft (39.057 m) Mississippi State Highway Department datum.

REMARKS.--Records good except those for period of no gage-height record, which are poor.

AVERAGE DISCHARGE.--12 years, 701 ft³/s (19.85 m³/s), 26.82 in/yr (681 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 14, 1974, gage height, 25.32 ft (7.718 m) from floodmark; minimum, 70 ft³/s (1.98 m³/s), Sept. 30, 1982, gage height, 3.42 ft (1.042 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 18, 1961, reached a stage of 25.70 ft (7.833 m), discharge, 21,500 ft³/s (609 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,500 ft³/s (99.1 ft³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 3	1030	*5800	164	16.83	5.130	Apr. 21	2400	3670	104	13.09	3.990

Minimum recorded discharge, 70 ft³/s (1.98 m³/s) Sept. 30, gage height, 3.42 ft (1.042 m), but may have been less during period of missing record, Oct. 1-9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	102	238	744	326	713	733	342	122	237	697	111
2	75	98	355	589	1930	609	591	462	113	172	958	106
3	72	98	314	491	5410	516	460	436	108	140	1090	97
4	69	104	251	865	3180	421	347	325	105	119	649	90
5	67	127	196	909	1900	334	264	252	100	165	416	119
6	66	162	144	857	1450	470	241	214	94	467	278	130
7	68	206	133	1630	1060	1110	215	210	96	152	358	131
8	71	173	129	2480	781	970	200	340	91	118	406	127
9	80	136	123	1770	997	906	193	286	86	226	347	123
10	91	120	118	1240	1410	764	210	230	82	737	230	117
11	104	122	124	361	1110	594	217	203	79	238	233	117
12	100	134	131	709	1420	457	196	181	84	217	222	119
13	96	134	450	1620	1910	406	191	164	92	444	208	168
14	91	137	637	1490	1370	377	172	153	100	305	233	503
15	88	136	850	1110	1230	358	167	155	105	215	201	293
16	84	146	719	884	2140	331	186	144	102	250	256	215
17	81	146	586	719	1960	309	237	133	121	270	633	170
18	79	144	455	603	1630	290	252	126	109	233	494	140
19	77	144	340	543	1480	272	221	126	96	180	238	115
20	75	153	230	469	1140	256	342	119	86	150	198	104
21	73	147	200	423	812	243	3190	118	89	235	172	106
22	72	139	197	397	600	233	3080	114	172	175	167	96
23	72	140	200	377	474	226	2000	122	184	214	138	88
24	74	153	272	413	444	243	1170	125	210	241	122	83
25	90	163	605	439	401	280	1810	161	178	219	111	82
26	123	159	678	400	392	284	1090	196	164	162	104	84
27	168	160	698	324	760	266	717	327	239	133	98	84
28	157	162	621	276	823	235	536	258	333	119	93	77
29	140	131	657	256	---	217	399	186	406	117	89	71
30	130	130	447	245	---	210	327	156	361	159	88	70
31	111	---	549	278	---	671	---	136	---	268	117	---
TOTAL	2823	4206	11707	24306	38960	13624	19956	6510	4307	7127	9714	3939
MEAN	91.1	140	378	784	1391	439	665	210	144	230	313	131
MAX	168	206	850	2480	5410	1110	3190	462	406	737	1090	503
MIN	66	98	118	245	326	210	167	114	79	117	88	70
CFSM	.26	.39	1.07	2.21	3.92	1.24	1.87	.59	.41	.65	.88	.37
IN.	.30	.44	1.23	2.55	4.08	1.43	2.09	.68	.45	.75	1.02	.41

CAL YR 1981 TOTAL 141491 MEAN 388 MAX 8200 MIN 66 CFSM 1.09 IN 14.83

WTR YR 1982 TOTAL 146877 MEAN 402 MAX 5410 MIN 66 CFSM 1.13 IN 15.39

02479155 CYPRESS CREEK NEAR JANICE, MS
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank at downstream side of bridge on State Highway 29, 1.2 mi (1.9 km) east of Janice, and 5.5 mi (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.6 mi² (136 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 98.0 ft³/s (2.775 m³/s), 25.30 in/yr (643 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s (354 m³/s) Apr. 4, 1979, gage height, 28.67 ft (8.739 m); minimum, 4.5 ft³/s (0.13 m³/s) Sept. 2, 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1959, reached a stage of 32.06 ft (9.772 m), discharge, 22,800 ft³/s (646 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,380 ft³/s (67.4 m³/s) Feb. 3, gage height, 18.83 ft (5.739 m), only peak above base of 1,200 ft³/s (34 m³/s); minimum discharge, 5.6 ft³/s (0.16 m³/s) Oct. 2, 3, 4, 5, 6, 7, gage height, 5.46 ft (1.664 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	7.5	23	159	52	67	153	39	18	17	282	8.9
2	5.8	7.2	23	75	813	52	71	32	14	12	365	8.4
3	5.6	7.5	15	56	1980	45	61	27	15	9.7	176	8.2
4	5.6	7.7	12	45	470	42	29	22	102	8.9	81	7.7
5	5.6	8.2	10	34	196	39	25	19	46	16	63	7.5
6	5.6	8.7	9.7	28	145	50	21	18	22	261	43	7.0
7	5.6	8.4	9.5	173	113	142	19	17	15	93	94	6.9
8	5.8	7.9	9.2	484	95	89	19	42	12	30	126	6.6
9	7.2	7.9	8.9	159	193	55	19	44	10	62	321	6.6
10	9.2	8.4	8.9	82	296	43	24	26	9.7	131	121	6.4
11	8.2	10	8.4	55	146	39	27	19	9.7	87	207	8.9
12	7.9	9.7	30	74	205	37	20	15	9.7	52	137	13
13	7.5	8.7	55	343	351	35	18	14	10	45	56	22
14	6.8	8.4	99	291	165	35	18	13	11	34	37	180
15	6.6	7.9	126	148	191	32	17	12	12	39	76	69
16	6.4	7.9	61	92	412	30	18	16	12	62	459	22
17	6.4	7.9	32	71	312	29	18	13	12	210	167	15
18	6.4	7.7	25	56	148	26	18	11	14	203	74	13
19	6.4	7.7	20	50	105	25	18	9.2	13	70	66	12
20	6.2	8.2	17	45	83	22	38	8.6	12	33	30	12
21	6.0	8.2	16	41	73	22	263	8.2	11	23	22	10
22	6.2	8.2	15	35	61	23	191	8.0	67	36	19	11
23	6.2	8.4	15	37	52	24	38	8.6	33	233	18	10
24	6.4	12	52	36	45	28	45	10	19	87	16	9.7
25	6.6	12	189	32	43	31	761	39	12	161	14	9.2
26	7.5	10	121	28	49	25	490	28	11	155	12	9.2
27	12	9.7	72	26	122	21	221	37	18	57	11	9.5
28	11	9.2	87	28	95	19	112	28	29	28	10	9.7
29	9.2	8.4	128	32	---	18	71	17	55	23	9.5	8.9
30	9.2	8.9	62	30	---	17	50	15	23	30	8.7	8.2
31	7.7	---	112	42	---	151	---	18	---	118	9.2	---
TOTAL	217.6	258.5	1469.6	2890	7013	1312	2923	632.6	641.1	2426.6	3120.4	535.2
MEAN	7.02	8.62	47.4	93.2	250	42.3	97.4	20.4	21.4	78.3	101	17.8
MAX	12	12	189	484	1980	151	761	44	102	261	459	180
MIN	5.6	7.2	8.4	26	43	17	17	8.0	9.7	8.9	8.7	6.4
CFSM	.13	.16	.90	1.77	4.75	.80	1.85	.39	.41	1.49	1.92	.34
IN.	.15	.18	1.04	2.04	4.96	.93	2.07	.45	.45	1.72	2.21	.38

CAL YR 1981 TOTAL 21761.5 MEAN 59.6 MAX 3360 MIN 4.2 CFSM 1.13 IN 15.39
WTR YR 1982 TOTAL 23440.6 MEAN 64.2 MAX 1980 MIN 5.6 CFSM 1.22 IN 16.58

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)
NOV										
10...	1230	8.4	23	6.6	16.5	9.5	86	430	4	.00
JAN										
11...	1245	56	23	6.2	6.0	11.6	100	61	6	--
MAR										
02...	1300	50	15	5.1	13.0	9.9	K43	K20	4	--
MAY										
18...	1200	11	21	5.8	22.0	8.3	K47	K4	4	.00
JUL										
13...	1230	42	23	5.7	24.5	8.3	K18	K31	6	4.0
SEP										
14...	1230	194	23	5.1	23.5	8.5	K680	K27	5	3.0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
NOV										
10...	.9	.5	2.1	47	.5	.7	4.0	.8	3.4	<.1
JAN										
11...	1.1	.8	2.5	46	.5	.4	<1.0	4.8	3.3	<.1
MAR										
02...	.9	.6	2.2	49	.5	.4	<1.0	3.3	3.2	<.1
MAY										
18...	.7	.5	1.9	49	.4	.4	4.0	2.0	3.3	<.1
JUL										
13...	1.5	.5	2.2	43	.4	.4	2.0	3.0	3.0	<.1
SEP										
14...	1.2	.6	1.4	33	.3	.7	2.0	4.0	2.6	<.1

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
NOV										
10...	12	35	23	.05	.79	.08	.08	.020	.020	.23
JAN										
11...	11	--	24	.03	--	.05	.03	<.010	<.010	--
MAR										
02...	11	38	21	.05	5.1	.04	.05	.040	.050	.50
MAY										
18...	9.8	29	21	.04	.86	<.10	<.10	.020	.030	.30
JUL										
13...	12	--	26	.03	2.7	<.10	<.10	.030	.040	.47
SEP										
14...	9.9	47	22	.06	24.6	.10	.11	.020	.030	.78

PASCAGOULA RIVER BASIN

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
NOV 10...	.23	.25	.00	.25	.33	.030	<.010	--	60	1.4
JAN 11...	--	.32	.00	.34	.37	.020	.020	9.0	15	2.3
MAR 02...	.49	.56	.00	.56	.53	.010	<.010	7.0	28	3.8
MAY 18...	.28	.32	.01	.31	--	.020	.020	--	95	2.9
JUL 13...	.35	.50	.10	.40	--	.010	.010	11	68	7.7
SEP 14...	.77	.40	.00	.80	.90	.050	.010	15	32	17

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
NOV 10...	1	1	0	100	80	20	<1	<1	--	3	20
MAY 18...	1	0	1	<100	--	25	<1	5	0	5	10

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)
NOV 10...	11	9	4	9	<10	390	100	290	11	<10
MAY 18...	--	<1	3	3	<10	420	330	87	4	<10

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)
NOV 10...	<4	10	0	11	.1	.0	.1	10	<1	<1
MAY 18...	<4	26	0	26	--	--	.3	<10	<1	<1

DATE	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
NOV 10...	<1	<1	10	<6.0	40	30	12	4.4	.7	--
MAY 18...	<1	<1	7	<6.0	20	10	8	5.6	1.2	<.01

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 10...	<.10	<1	<.10	<1.0	<.01	<.1	<.10	<1.0	<.01	<.1	.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
NOV 10...	<.01	<.1	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
NOV 10...	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 10...	<.1	<.01	<.01	<.10	<1	<1.0	<.01	<.01	<.01	<.01	<.01

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
NOV 10...	<.7	<.5	1.0	<.7	1.0	<.7	.36	.14

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi (2.7 km) downstream from Flat Branch, 8.6 mi (13.8 km) upstream from Sweetwater Creek, and 13.4 mi (21.6 km) east of Wiggins.

DRAINAGE AREA.--701 mi² (1,816 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1956-57, 1959-60. October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.94 ft (14.917 m) National Geodetic Vertical Datum of 1929. Prior to 1978 water year, at datum 0.05 ft (0.015 m) lower.

REMARKS.--Records good except those for periods of missing or incorrect gage-heights, which are poor.

AVERAGE DISCHARGE.--11 years, 1,465 ft³/s (41.49 m³/s), 28.38 in/yr (721 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,500 ft³/s (892 m³/s) Apr. 5, 1979, gage height, 26.63 ft (8.117 m); minimum, 133 ft³/s (3.77 m³/s) Sept. 30, 1981, gage height, 3.92 ft (1.195 m); minimum gage height, 3.80 ft (1.158 m) Oct. 19, 20, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft or 9.30 m, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft (7.888 m), and the flood of Feb. 19, 1961, 25.83 ft (7.873 m) from floodmarks; discharge, about 26,000 ft³/s (736 m³/s), based on peak data at sites upstream and downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,440 ft³/s (267 m³/s) Feb. 4, gage height, 21.33 ft (6.501 m), from floodmark, only peak above base of 7,000 ft³/s (198 m³/s); minimum discharge, 116 ft³/s (3.28 m³/s) Oct. 5, 6, 7, gage height, 3.82 ft (1.164 m).

CORRECTIONS.--The minimum discharge for water year 1981 is 133 ft³/s (3.77 m³/s) Sept. 30, 1981, gage height, 3.92 ft (1.19 m³/s); the previously published figure was not the minimum.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	186	276	1330	550	1630	1840	761	255	598	1610	181
2	130	170	412	1170	1200	1220	1380	777	230	399	2510	205
3	126	167	469	987	5000	1050	1010	812	215	287	2350	179
4	121	176	414	880	9200	900	761	736	205	239	1730	170
5	119	247	354	1100	5400	780	615	595	200	211	1080	149
6	116	272	290	974	3200	720	510	502	191	1060	742	164
7	117	283	255	1100	2500	1250	458	445	187	1200	854	177
8	128	309	237	3370	1900	1940	422	533	190	535	1110	177
9	133	286	229	3940	1530	1500	401	758	175	424	1230	175
10	178	247	219	2350	2500	1320	386	577	170	924	1030	173
11	138	253	213	1510	2200	1130	424	465	167	1230	812	177
12	132	247	247	1140	2000	969	424	411	160	542	951	220
13	176	241	457	2350	3300	834	383	559	170	563	832	245
14	167	245	761	3610	2800	771	366	325	192	806	559	901
15	155	247	1300	2630	2600	739	341	311	193	586	534	1210
16	146	239	1230	1750	2300	697	334	299	200	577	858	566
17	142	245	929	1350	3800	660	349	281	210	654	938	404
18	139	237	760	1120	3200	618	401	256	230	1050	975	313
19	135	229	599	981	2800	583	419	261	200	783	758	281
20	133	247	476	900	2400	555	399	237	143	495	535	228
21	128	251	347	813	1800	527	1600	232	175	472	414	193
22	130	243	357	750	1300	515	4010	229	178	538	356	179
23	137	229	348	700	1100	549	4030	215	350	656	332	160
24	139	229	370	670	930	547	2610	230	380	675	231	163
25	130	243	928	720	910	586	3350	435	410	569	247	136
26	142	257	1290	740	870	592	5070	477	360	705	220	131
27	192	257	1070	649	550	569	2960	919	330	469	201	136
28	255	265	1000	560	1400	510	1620	739	500	332	183	140
29	265	272	1220	520	---	480	1150	520	760	267	173	129
30	275	237	1040	500	---	455	894	360	890	297	160	115
31	205	---	858	480	---	793	---	293	---	663	154	---
TOTAL	4765	7257	18992	41432	69370	25659	38697	14227	8226	18905	24829	7760
MEAN	154	242	613	1337	2478	828	1290	459	274	610	801	259
MAX	255	309	1300	3940	9200	1940	5070	919	890	1230	2510	1210
MIN	116	167	213	480	550	455	334	215	160	211	154	115
CFSM	.22	.35	.87	1.91	3.54	1.18	1.84	.66	.39	.87	1.14	.37
IN.	.25	.39	1.01	2.20	3.68	1.36	2.05	.75	.44	1.00	1.32	.41

CAL YR 1981 TOTAL 283392 MEAN 776 MAX 17600 MIN 116 CFSM 1.11 IN 15.04
WTR YR 1982 TOTAL 280119 MEAN 767 MAX 9200 MIN 115 CFSM 1.09 IN 14.87

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, near center of channel on downstream side of bridge on county highway, 0.5 mi (0.8 km) north of Vestry, and 1.1 mi (1.8 km) upstream from Little Red Creek.

DRAINAGE AREA.--441 mi² (1,142 km²).

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft (6.126 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--24 years, 856 ft³/s (24.24 m³/s), 26.36 in/yr (670 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 12, 1961; maximum gage height, 18.94 ft (5.773 m) Feb. 12, 1981; minimum discharge, 88 ft³/s (2.49 m³/s) Oct. 22, 1963, gage height, 3.22 ft (0.981 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 2	0630	*7210	204	15.62	4.761	Apr. 27	1400	4540	128	14.38	4.383

Minimum discharge, 109 ft³/s (3.09 m³/s) Oct. 8, gage height, 3.76 ft (1.146 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	140	125	703	287	852	1750	584	191	542	837	169
2	124	133	190	681	813	675	1990	510	179	381	1730	159
3	119	128	206	983	3850	561	1350	454	164	291	2300	152
4	115	126	185	713	5790	491	870	408	153	236	1300	146
5	116	124	164	528	7010	452	568	367	193	205	653	142
6	116	145	143	394	5700	594	455	334	182	250	438	140
7	114	133	130	373	3450	989	395	323	154	577	375	140
8	111	137	123	343	1630	843	340	376	142	501	421	140
9	113	137	116	1160	1010	728	316	320	133	427	621	137
10	136	131	110	908	1110	596	296	306	126	526	658	134
11	199	128	108	811	1290	495	283	293	122	515	1030	143
12	215	123	114	571	1130	439	271	272	120	467	1240	157
13	200	118	148	970	1310	407	257	259	128	664	777	370
14	173	116	240	1690	1460	385	247	235	129	433	618	354
15	159	113	406	1710	1330	367	237	225	128	381	612	459
16	149	110	515	1280	1550	354	229	220	131	335	578	313
17	141	110	457	904	1760	340	225	210	143	340	561	253
18	136	108	351	632	1630	326	229	200	141	422	452	234
19	130	106	283	506	1230	307	243	190	135	403	400	210
20	127	108	239	443	904	296	248	183	136	323	438	191
21	125	128	211	404	731	282	589	179	134	262	348	172
22	124	135	192	373	630	328	1380	173	137	275	302	160
23	123	131	181	354	537	431	1260	174	372	291	266	151
24	121	128	172	335	486	404	935	196	331	324	234	142
25	121	125	216	317	451	443	1790	189	295	354	215	137
26	126	121	456	296	431	433	3570	193	463	463	198	133
27	130	117	495	279	748	363	4400	213	451	312	184	130
28	135	111	410	263	1030	306	2870	390	656	232	173	128
29	141	109	441	257	---	279	1130	276	858	237	166	125
30	151	105	545	254	---	267	738	223	681	221	159	125
31	149	---	591	266	---	645	---	200	---	490	151	---
TOTAL	4269	3691	8257	20105	49088	14578	29511	8685	7319	11688	18495	5545
MEAN	138	123	266	649	1753	470	984	280	244	377	597	185
MAX	215	145	591	1710	7010	989	4400	584	858	664	2300	459
MIN	111	105	108	254	287	267	225	173	120	205	159	125
CFSM	.31	.28	.60	1.47	3.98	1.07	2.23	.64	.55	.86	1.35	.42
IN.	.36	.31	.70	1.70	4.14	1.23	2.49	.73	.62	.99	1.56	.47

CAL YR 1981 TOTAL 189926 MEAN 518 MAX 15100 MIN 106 CFSM 1.18 IN 15.96
WTR YR 1982 TOTAL 181230 MEAN 497 MAX 7010 MIN 106 CFSM 1.13 IN 15.29

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in SW¼ sec.2, T.3 S., R.5 W., George County, MS, Hydrologic Unit 03170008, near left bank on downstream side of bridge on county road 612, 6.7 mi (10.8 km) west of Wilmer, AL, 2.5 mi (4.0 km) west of Alabama-Mississippi State line, 3.7 mi (6.0 km) east of Agricola, MS, and 4.8 mi (7.7 km) below old gage at Escatawpa River near Wilmer, AL.

DRAINAGE AREA.--556 mi² (1,440 km²).

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m).

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 1,268 ft³/s (35.90 m³/s), 30.97 in/yr (787 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,400 ft³/s (521 m³/s) Mar. 5, 1979, gage height, 19.67 ft (5.995 m); minimum, 137 ft³/s (3.88 m³/s) Nov. 5, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft (21.95 m) ±1.0 ft (0.30 m), National Geodetic Vertical Datum of 1929, as determined from historical data. Peak discharge of this flood is unknown, but in all probability has not been exceeded since 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,100 ft³/s (258 m³/s) Feb. 5, gage height, 16.96 ft (5.169 m), no other peak above base of 5,000 ft³/s (142 m³/s); minimum, 108 ft³/s (3.06 m³/s) Oct. 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	126	220	1850	426	973	695	1370	220	895	3000	226
2	112	125	310	1370	1610	795	693	1030	253	713	4090	217
3	109	126	269	1290	6290	723	622	830	306	525	2850	198
4	109	131	261	1340	8540	670	530	683	270	625	1530	190
5	110	151	207	1100	8970	642	468	556	247	365	975	176
6	111	139	186	920	7870	935	418	431	232	566	725	170
7	110	125	175	1160	6190	1670	374	431	198	650	630	165
8	110	123	169	1620	4100	1750	341	1160	168	664	536	160
9	113	124	162	1560	2690	1450	322	1120	151	695	710	162
10	151	170	158	1500	2540	1230	307	895	143	855	1060	173
11	170	214	157	1140	2490	1060	316	740	136	670	1030	238
12	156	193	201	1150	2290	970	310	654	143	644	678	269
13	144	175	395	1960	2750	903	291	680	139	750	540	326
14	133	155	655	2170	2670	825	277	602	144	760	566	421
15	125	149	554	1390	2800	765	276	482	146	566	520	397
16	123	162	494	1550	3320	700	270	400	133	524	498	326
17	121	139	426	1260	3170	626	258	336	165	566	1940	255
18	119	136	395	1100	2850	556	247	262	168	610	1290	446
19	119	134	354	975	2610	495	232	222	165	510	823	1160
20	118	137	312	865	2060	458	231	216	138	482	636	755
21	117	133	238	779	1840	466	596	201	157	470	490	523
22	117	136	273	703	1590	419	1120	187	800	472	449	382
23	1[illegible]	137	261	665	1290	482	1090	179	813	474	331	295
24	119	165	252	596	1100	566	913	247	828	813	334	269
25	123	190	378	544	963	552	1290	276	666	1150	290	223
26	139	165	474	485	865	478	2570	238	442	930	255	240
27	151	156	536	442	960	414	2730	399	470	552	231	271
28	148	193	558	419	940	381	2250	306	868	442	214	223
29	140	186	628	411	---	358	1970	259	1510	520	201	202
30	136	160	626	395	---	346	1770	207	1160	695	201	189
31	130	---	1160	610	---	496	---	190	---	1580	228	---
TOTAL	3910	4555	11271	33600	85414	23010	23753	15782	11307	20241	27897	9216
MEAN	126	152	364	1084	3051	742	792	509	377	653	900	307
MAX	170	214	1160	2170	8970	1750	2730	1370	1510	1580	4090	1160
MIN	109	123	157	395	426	346	231	179	133	365	201	160
CFSM	.23	.27	.66	1.95	5.49	1.36	1.62	.92	.68	1.17	1.62	.55
IN.	.26	.30	.75	2.25	5.71	1.54	1.59	1.06	.76	1.35	1.87	.62

CAL YR 1981 TOTAL 242405 MEAN 664 MAX 124[illegible]0 MIN 109 CFSM 1.19 IN 16.22
WTR YR 1982 TOTAL 269944 MEAN 740 MAX 8970 MIN 109 CFSM 1.33 IN 18.06

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi (1.3 km) east of Wortham, 1.3 mi (2.1 km) downstream from Illinois Central Railroad bridge, 1.1 mi (1.8 km) upstream from Saucier Creek, and 4.2 mi (6.8 km) north of Lyman.

DRAINAGE AREA.--96.1 mi² (248.9 km²).

PERIOD OF RECORD.--October 1952 to current year.

REVISED RECORDS.--WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.18 ft (5.846 m) Mississippi State Highway Department datum. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Records good except those for periods of no gage-height record, May 14-18, Aug. 25 to Sept. 12 and Sept. 20-21, which are poor.

AVERAGE DISCHARGE.--30 years, 187 ft³/s (5.296 m³/s), 26.42 in/yr (671 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,420 ft³/s (238 m³/s) Apr. 27, 1964; maximum gage height, 23.08 ft present datum, Sept. 18, 1957; minimum discharge, 1.1 ft³/s (0.031 m³/s) Oct. 21, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft (7.711 m) present datum, from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft (2.59 m) higher than that of Sept. 18, 1957, at a point about 1 mi (1.6 km) upstream, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 3	0445	3640	103	14.51	4.423	Apr. 25	1345	*5780	164	19.10	5.822
Mar. 31	1400	3910	111	15.14	4.615	Aug. 2	0230	2620	74.2	11.73	3.575

Minimum discharge, 2.01 ft³/s (0.06 m³/s) Oct. 9, gage height, 1.66 ft (0.506 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.2	7.0	173	113	191	1740	139	19	45	1310	32
2	2.6	3.0	10	146	1290	145	905	165	15	23	2400	26
3	2.2	3.2	14	191	3190	122	454	134	13	19	1760	22
4	2.2	4.2	14	136	1890	107	290	104	11	14	598	23
5	2.2	4.8	11	107	763	97	191	80	9.8	13	230	25
6	2.2	3.7	9.0	74	337	146	152	64	9.4	12	146	22
7	2.2	3.7	7.8	93	230	247	122	69	8.6	31	121	19
8	2.2	4.0	6.7	220	131	176	104	81	8.6	23	152	17
9	2.4	3.7	6.0	186	162	127	96	57	7.4	17	284	16
10	6.4	4.0	5.4	119	139	103	93	43	7.4	122	321	15
11	39	5.1	5.1	80	131	90	75	35	9.0	150	838	14
12	41	4.8	5.7	84	206	81	67	30	27	83	373	22
13	23	4.5	8.2	480	236	75	55	26	16	76	313	109
14	14	4.2	19	603	216	63	47	23	12	62	167	121
15	9.4	4.5	42	341	275	62	43	21	9.4	80	241	52
16	6.7	4.2	42	193	519	58	40	19	8.6	76	438	45
17	5.7	4.2	31	143	393	53	43	17	12	69	278	46
18	4.8	4.2	25	112	225	47	62	15	13	234	186	33
19	4.2	4.0	22	94	152	42	46	14	11	143	141	29
20	3.5	4.0	18	83	133	37	56	13	9.4	109	110	23
21	3.2	4.0	15	74	113	33	391	13	8.2	81	76	18
22	3.2	4.0	14	64	97	434	567	12	9.0	68	65	16
23	3.0	4.2	12	53	86	294	365	11	26	37	42	14
24	3.0	5.1	12	58	74	168	178	11	52	25	33	14
25	3.0	5.1	33	50	67	155	4160	22	23	17	27	12
26	3.2	4.8	57	41	103	119	2520	19	75	15	23	12
27	3.0	5.4	47	33	591	84	929	23	60	13	19	11
28	3.0	6.0	67	31	356	67	333	67	50	11	17	10
29	3.2	5.7	150	61	---	58	298	35	36	12	15	9.4
30	3.2	5.7	107	91	---	55	159	24	72	93	14	8.6
31	3.2	---	181	95	---	2620	---	25	---	578	13	---
TOTAL	212.7	131.2	1003.9	4320	12416	6162	14481	1411	697.8	2358	10751	841.0
MEAN	6.86	4.37	32.4	139	443	199	483	45.5	23.3	76.1	347	28.0
MAX	41	6.0	181	603	3190	2620	4160	165	36	578	2400	121
MIN	2.2	3.0	5.1	31	67	33	40	11	7.4	11	13	8.6
CFSM	.07	.05	.34	1.45	4.61	2.07	5.03	.47	.24	.79	3.61	.29
IN.	.08	.05	.39	1.67	4.81	2.39	5.61	.55	.27	.91	4.16	.33

CAL YR 1981 TOTAL 30369.9 MEAN 84.6 MAX 6220 MIN 2.2 CFSM .88 IN 11.95
WTR YR 1982 TOTAL 54785.6 MEAN 150 MAX 4160 MIN 2.2 CFSM 1.56 IN 21.21

02481510 WOLF RIVER NEAR LANDON, MS

(National stream-quality accounting network station)

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi (0.5 km) downstream from Sandy Creek, 1.3 mi (2.1 km) upstream from Pole Branch, and 11.2 mi (18.0 km) northwest of Landon.

DRAINAGE AREA.--308 mi² (798 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1971 to current year. Occasional discharge measurements, water years 1964-66.

GAGE.--Water-stage recorder. Datum of gage is 21.34 ft (6.504 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 18, 1978, at datum 2.00 ft higher.

REMARKS.--Records good except those for periods of no gage-height record, May 5-18, Sept. 4-11, 21-26, 28-30, which are poor.

AVERAGE DISCHARGE.--11 years, 668 ft³/s (18.92 m³/s), 29.45 in/yr (748 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge about 15,800 ft³/s (447 m³/s) May 20, 1980, gage height, 19.83 ft (6.044 m); minimum, 44 ft³/s (1.25 m³/s) Oct. 18-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft (6.419 m). The flood of 1920 reached a stage about 5 ft (1.5 m) higher than that of April 1964, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft³/s)	(m³/s)	(ft)	(m)	Date	Time	(ft³/s)	(m³/s)	(ft)	(m)
Feb. 3	1000	6060	172	11.35	3.460	Apr. 25	0900	*11400	323	16.51	5.032
Mar. 31	1630	6460	183	11.78	3.590	Aug. 2	0200	5460	155	10.66	3.249

Minimum daily discharge, 43 ft³/s (1.22 m³/s) Nov. 17-19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	43	68	405	263	628	4400	412	73	271	2930	142
2	49	45	92	363	1420	466	2340	608	65	183	4020	109
3	49	44	85	376	5850	360	1620	426	61	116	1930	94
4	49	47	91	338	4920	300	1180	312	61	82	1070	86
5	50	94	74	258	2520	271	768	260	60	77	543	78
6	49	69	63	231	1540	315	547	220	55	90	356	72
7	49	68	57	250	1040	504	416	240	52	490	317	63
8	49	65	53	581	763	616	341	270	49	211	494	64
9	49	58	50	716	624	444	303	210	49	132	883	62
10	58	52	48	543	931	344	279	170	48	222	750	60
11	57	48	47	444	929	276	258	150	48	341	725	58
12	64	45	55	309	843	245	238	130	48	215	725	315
13	72	44	67	807	1210	226	217	120	48	202	892	776
14	61	44	115	1380	1040	213	206	110	49	303	447	300
15	54	44	220	1070	996	202	200	100	49	211	356	181
16	50	44	276	772	1540	191	198	94	60	147	1790	149
17	49	43	217	540	1550	179	287	88	109	193	1100	135
18	49	43	163	382	1120	165	412	82	94	344	616	106
19	49	43	134	315	948	154	320	78	60	543	494	95
20	49	44	113	276	612	147	255	74	57	347	339	93
21	49	46	99	250	466	139	1130	72	54	659	279	100
22	49	57	79	229	382	250	1920	69	64	419	263	96
23	49	53	82	217	326	419	1430	73	169	266	234	85
24	49	52	81	206	237	303	972	195	125	183	159	94
25	49	51	139	187	260	306	6880	145	103	202	142	86
26	49	51	276	175	382	266	2870	213	[illegible]	167	121	81
27	49	51	248	160	962	200	1610	279	129	121	106	91
28	49	50	217	149	925	163	996	139	255	90	95	86
29	56	49	405	224	---	145	639	100	263	100	87	80
30	60	48	379	245	---	139	480	84	376	229	335	76
31	53	---	360	233	---	4160	---	82	---	1260	226	---
TOTAL	1615	1539	4453	12631	34599	12736	33712	5605	2829	8416	22854	3919
MEAN	52.1	51.3	144	407	1236	411	1124	181	94.3	271	737	131
MAX	72	94	405	1380	5850	4160	6880	608	376	1260	4020	776
MIN	49	43	47	149	260	139	198	69	48	77	87	58
CFSM	.17	.17	.47	1.32	4.01	1.33	3.65	.59	.31	.88	2.39	.43
IN.	.20	.19	.54	1.53	4.18	1.54	4.07	.68	.34	1.02	2.76	.47

CAL YR 1981 TOTAL 111050 MEAN 304 MAX 12700 MIN 43 CFSM .99 IN 13.41
WTR YR 1982 TOTAL 144908 MEAN 397 MAX 6830 MIN 43 CFSM 1.29 IN 17.50

02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964-66, 1978 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1979 to September 1981.

REMARKS.--Prior to Oct. 6, 1978, daily values of specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
NOV 09...	1615	56	29	5.9	15.0	2.6	9.8	--	--	8	--	1.7
JAN 12...	1615	268	36	5.1	4.0	7.4	12.2	400	240	8	5.0	1.7
MAR 16...	0900	199	35	5.2	22.0	5.3	7.9	180	K51	7	3.0	1.6
MAY 18...	1630	79	38	6.0	28.0	1.8	7.4	K60	K23	8	3.0	1.7
JUL 13...	1700	162	34	6.4	27.5	11	8.7	150	K34	8	4.0	1.8
SEP 24...	1400	94	36	6.5	24.5	1.7	8.2	90	K22	7	5.0	1.5

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
NOV 09...	.8	3.4	46	.6	.8	--	2.2	4.6	<.1	12	38
JAN 12...	1.0	2.9	40	.4	.8	3.0	5.8	4.5	<.1	10	--
MAR 16...	.8	3.1	45	.5	.8	4.0	5.1	4.3	<.1	10	38
MAY 18...	.9	3.0	42	.5	.8	5.0	5.0	4.6	<.1	11	39
JUL 13...	.9	2.5	36	.4	1.0	4.0	5.0	3.7	<.1	10	48
SEP 24...	.8	2.9	44	.5	.7	2.0	5.0	4.4	<.1	13	46

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV 09...	--	.05	5.7	.01	<.010	.12	.040	.010	<.010	28	4.2
JAN 12...	29	.04	20.6	.10	.030	.31	.010	.010	<.010	40	29
MAR 16...	28	.05	20.4	.05	<.010	.31	.050	.050	.020	34	18
MAY 18...	30	.05	8.3	<.10	.060	.25	.020	<.010	<.010	90	19
JUL 13...	27	.07	21.0	.17	.030	<.10	.020	.010	<.010	94	41
SEP 24...	30	.06	11.7	<.10	.060	.30	.020	.010	.010	24	6.1

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02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
NOV										
09...	1	1	0	100	70	26	<1	3	20	--
MAY										
13...	1	0	1	100	50	49	<1	2	10	0

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
NOV										
09...	<10	<1	--	<1	6	0	6	420	180	240
MAY										
13...	10	3	1	2	6	1	5	500	310	190

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)
NOV										
09...	4	2	2	30	5	25	.1	.0	.1	10
MAY										
13...	3	0	3	50	4	46	.4	.2	.2	6

DATE	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV									
09...	6	4	<1	<1	<1	<1	40	0	41
MAY									
13...	0	6	<1	<1	<1	<1	10	5	5

02481880 PEARL RIVER AT BURNSIDE, MS

LOCATION.--Lat 32°50'27", long 89°05'51", in NE¼ sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03160108, on right bank at downstream edge of roadway at bridge on U.S. Highway 15, 2.4 mi (3.9 km) upstream from Gulf Mobile and Ohio railroad, 4.8 mi (7.7 km) north of Philadelphia and 0.9 mi(1.4 km) south of Burnside, MS.

DRAINAGE AREA.--520 mi² (1347 km²).

PERIOD OF RECORD.--January 1981 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 375 ft (114.3 m), from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,390 ft³/s (238 m³/s) Apr. 1, 1981, gage height, 15.32 ft (4.670 m); minimum daily, 1.8 ft³/s (0.051 m³/s) Sept. 29, 30, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 70,600 ft³/s (2,000 m³/s) Apr. 13, 1979; gage height 23.31 ft (7.105 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,670 ft³/s (189 m³/s) April 23, gage height 14.86 ft (4.529 m); minimum, 2.3 ft³/s (0.065 m³/s) Oct. 3, 4, gage height 4.35 ft (1.326 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	14	45	333	941	625	573	998	39	7.3	424	138
2	3.1	14	28	356	779	369	474	317	26	23	600	70
3	2.5	18	31	397	894	967	467	657	18	31	734	62
4	2.3	15	28	527	932	902	463	502	38	45	731	61
5	2.7	13	25	623	923	771	570	409	104	47	595	44
6	2.9	12	26	670	1050	676	728	339	203	38	456	33
7	3.3	12	23	725	1260	706	967	267	353	63	466	29
8	4.3	12	25	760	1250	676	1890	240	439	60	415	27
9	5.7	13	26	743	1170	659	1770	219	498	37	432	21
10	9.1	13	21	673	1110	743	1400	226	472	43	463	17
11	15	12	21	618	962	775	1120	211	339	46	453	14
12	9.4	11	28	546	700	743	890	195	278	38	413	11
13	7.6	11	33	545	530	676	697	166	184	33	299	9.1
14	6.8	9.7	82	546	510	587	546	122	121	50	223	7.3
15	6.8	9.1	95	546	670	487	415	92	91	73	311	6.0
16	7.6	9.3	75	459	810	428	367	78	68	60	366	6.0
17	8.2	8.8	39	429	1150	439	309	68	55	50	362	4.1
18	10	8.5	27	440	1500	980	374	57	46	42	314	2.5
19	9.4	8.8	22	457	1530	1150	423	46	38	54	286	3.5
20	8.2	8.3	16	466	1500	1560	923	34	31	110	314	4.3
21	7.6	9.4	14	478	1200	1380	2990	23	24	72	350	4.5
22	8.2	10	14	602	967	1170	5320	17	19	220	353	4.7
23	9.4	11	15	793	775	1300	4370	46	14	130	317	5.5
24	10	17	16	1350	662	1510	2560	191	10	55	233	5.2
25	14	24	31	2350	570	1370	2490	295	8.5	90	168	5.5
26	23	24	40	3030	480	1390	2350	295	7.1	120	93	6.0
27	17	26	38	2620	530	1180	1480	263	5.0	140	62	6.2
28	13	28	37	1940	600	993	1640	194	4.3	123	45	6.5
29	13	24	33	1540	---	925	1450	118	4.1	116	41	6.5
30	14	32	36	1210	---	706	1180	80	7.1	175	48	6.5
31	14	---	136	1050	---	636	---	59	---	274	244	---
TOTAL	271.6	437.9	1122	28523	26045	27879	41572	7323	3594.1	2475.3	10608	627.0
MEAN	8.76	14.6	36.2	920	930	899	1386	236	120	79.8	342	20.9
MAX	23	32	136	3030	1530	1560	5320	998	498	274	734	138
MIN	2.3	8.5	14	333	480	428	309	17	4.1	7.3	41	2.5
CFSM	.02	.03	.07	1.77	1.79	1.73	2.67	.45	.23	.15	.66	.04
IN.	.02	.03	.08	2.04	1.86	1.99	2.97	.52	.26	.18	.76	.04

CAL YR 1981 TOTAL 96478.3 MEAN 264 MAX 6740 MIN 1.8 CFSM .51 IN 6.90
WTR YR 1982 TOTAL 150477.9 MEAN 412 MAX 5320 MIN 2.3 CFSM .79 IN 10.76

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°20'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 20 ft (6.1 m) downstream from bridge on State Highway 16 at Edinburg, 1,100 ft (335 m) downstream from Hooper Mill Creek, 1.6 mi (2.6 km) upstream from Rice Creek and at mile 387.5 (623.5 km).

DRAINAGE AREA.--904 mi² (2,341 km²).

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1929-30, 1933. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft (104.141 m) National Geodetic Vertical Datum of 1929. Prior to July 2, 1930, nonrecording gage at site 500 ft (152 m) upstream at datum 0.12 ft (0.037 m) higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--54 years, 1,143 ft³/s (32.37 m³/s), 17.17 in/yr (436 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,900 ft³/s (2,210 m³/s) Apr. 14, 1979; gage height, 30.06 ft (9.162 m); minimum discharge, 1.7 ft³/s (0.048 m³/s) Oct. 5, 1954, gage height, 1.02 ft (0.311 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft (8.84 m), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,460 ft³/s (211 m³/s) Apr. 25, gage height, 22.18 ft (6.760 m); minimum, 7.4 ft³/s (0.21 m³/s) Sept. 30, gage height, 2.24 ft (0.683 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	25	155	770	2020	2360	1230	2340	173	59	727	244
2	7.7	24	147	770	1810	2170	1090	1580	144	52	738	312
3	7.2	23	116	387	2000	1370	1310	1360	122	43	815	239
4	6.9	21	89	1510	2040	1760	1260	1310	121	51	775	167
5	6.9	20	72	1150	2290	1330	1450	1090	107	53	746	131
6	7.4	19	60	1040	2030	1970	1460	879	123	65	771	108
7	7.4	17	52	1060	1720	2380	1400	701	143	88	823	90
8	10	17	47	1080	1510	2380	1310	623	185	157	933	76
9	14	17	42	1090	1630	2440	1320	526	252	116	959	64
10	38	17	39	1050	1730	2170	1610	453	359	111	733	56
11	58	17	39	963	1630	1850	1850	409	439	129	589	50
12	57	19	61	887	1560	1680	1790	369	458	126	556	43
13	44	19	37	948	1440	1610	1570	329	417	112	598	45
14	31	18	346	911	1300	1580	1330	296	326	104	567	43
15	25	17	239	841	1180	1500	1110	263	232	130	469	40
16	21	17	233	1020	2060	1380	903	231	199	183	400	36
17	17	18	209	1000	2570	1330	778	201	193	170	379	37
18	15	18	184	992	3110	2060	744	176	187	154	426	32
19	14	17	142	996	3360	2180	718	164	159	129	415	28
20	13	17	110	948	3070	2300	1930	140	129	155	368	22
21	13	17	94	1180	3090	2700	3450	123	106	237	327	17
22	13	19	104	1480	3170	3400	4200	112	92	199	320	14
23	13	18	115	2740	2880	3710	5600	203	79	428	330	12
24	15	25	114	3100	2420	3650	7030	185	69	219	332	10
25	36	32	130	3170	1930	3290	7360	176	60	164	305	10
26	129	25	137	3060	1630	2860	6610	231	53	221	255	9.6
27	85	30	132	2850	2230	2580	5640	265	54	288	201	9.6
28	64	47	124	2950	2190	2310	4750	280	52	219	158	9.6
29	50	44	112	3000	---	1990	3870	265	52	265	128	8.5
30	38	62	101	2740	---	1660	3030	230	71	245	107	7.8
31	30	---	770	2380	---	1410	---	216	---	354	149	---
TOTAL	892.5	696	4460	48563	59630	68350	77703	16227	5176	5042	15399	1978.1
MEAN	28.8	23.2	144	1567	2131	2205	2590	523	173	163	497	65.9
MAX	129	62	770	3170	3360	3710	7360	2340	458	428	959	312
MIN	6.9	17	39	770	1180	1330	718	112	52	43	107	7.8
CFSM	.03	.03	.16	1.73	2.36	2.44	2.87	.58	.19	.18	.55	.07
IN.	.04	.03	.18	2.00	2.46	2.81	3.20	.67	.21	.21	.63	.08

CAL YR 1981 TOTAL 195452.3 MEAN 535 MAX 9550 MIN 6.9 CFSM .59 IN 8.04
WTR YR 1982 TOTAL 304166.6 MEAN 333 MAX 7360 MIN 6.9 CFSM .92 IN 12.52

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.40	2.89	4.65	8.32	13.25	14.32	10.36	14.26	4.55	3.17	7.95	4.96
2	2.39	2.85	4.51	8.34	12.52	13.74	9.77	12.80	4.28	3.07	8.01	5.49
3	2.37	2.85	4.17	8.87	13.19	12.74	10.68	11.63	4.07	3.00	9.43	4.93
4	2.36	2.81	3.88	11.43	13.33	12.36	10.46	10.72	4.06	3.04	8.23	4.34
5	2.36	2.73	3.66	10.01	14.09	12.60	11.21	9.83	3.91	3.13	8.39	3.98
6	2.38	2.74	3.50	9.55	13.47	13.07	11.28	[illegible]	4.08	3.23	8.23	3.74
7	2.38	2.69	3.38	9.63	12.22	14.36	11.04	8.00	4.27	3.47	8.50	3.54
8	2.48	2.67	3.29	9.70	11.45	14.36	10.67	7.57	4.65	4.19	9.05	3.36
9	2.50	2.69	3.22	9.75	11.90	14.54	10.70	7.03	5.20	3.77	9.18	3.22
10	3.07	2.71	3.17	9.60	12.25	13.73	11.81	6.58	5.98	3.73	8.04	3.11
11	3.47	2.69	3.16	9.20	12.09	12.69	12.69	6.31	6.50	3.91	7.26	3.03
12	3.46	2.76	3.48	8.86	11.65	12.07	12.49	6.04	6.62	3.86	7.07	3.00
13	3.24	2.74	3.36	9.13	11.17	11.84	11.68	5.77	6.36	3.72	7.31	2.96
14	3.02	2.72	5.94	8.97	10.65	11.71	10.77	5.53	5.74	3.53	7.13	2.93
15	2.89	2.71	5.66	8.66	10.16	11.40	9.84	5.29	5.05	3.88	6.54	2.87
16	2.79	2.71	5.25	9.46	13.20	10.94	8.96	5.04	4.70	4.43	6.10	2.82
17	2.70	2.73	5.06	9.37	14.90	10.74	8.37	4.79	4.72	4.26	5.96	2.83
18	2.65	2.72	4.85	9.33	16.29	13.40	8.22	4.59	4.56	4.10	6.27	2.75
19	2.63	2.71	4.46	9.34	16.80	13.78	8.10	4.47	4.40	3.85	6.20	2.68
20	2.59	2.71	4.12	9.13	16.22	14.12	12.32	4.25	4.10	4.07	5.38	2.57
21	2.58	2.71	3.94	10.10	16.26	15.27	17.02	4.03	3.85	4.80	5.60	2.43
22	2.58	2.74	4.06	11.32	16.43	16.93	18.43	3.96	3.68	4.47	5.55	2.41
23	2.60	2.72	4.17	15.19	15.76	17.53	20.40	4.78	3.52	6.13	5.62	2.36
24	2.64	2.89	4.17	16.29	16.46	17.42	21.93	4.67	3.38	4.63	5.63	2.32
25	2.79	3.02	4.34	16.43	12.94	16.66	22.11	4.59	3.25	4.15	5.44	2.31
26	4.32	2.88	4.41	16.13	11.90	15.67	21.44	5.03	3.15	4.65	5.06	2.30
27	3.33	3.00	4.36	15.67	13.94	14.93	20.46	5.31	3.15	5.17	4.61	2.30
28	3.55	3.30	4.27	15.94	13.32	14.15	19.29	5.62	3.11	4.63	4.24	2.30
29	3.35	3.25	4.14	16.07	---	13.14	17.94	5.31	3.48	5.02	3.95	2.27
30	3.15	3.52	4.02	15.39	---	12.02	16.09	5.03	3.34	4.87	3.73	2.25
31	3.00	---	7.93	14.37	---	11.03	---	4.92	---	5.67	4.14	---
MEAN	2.87	2.83	4.29	11.23	13.44	13.66	13.56	6.53	4.39	4.12	6.55	3.08
MAX	4.32	3.52	7.93	16.43	16.80	17.53	22.11	14.25	6.62	6.13	9.18	5.49
MIN	2.36	2.69	3.16	8.32	10.16	10.74	8.10	3.96	3.11	3.00	3.73	2.25

WTR YR 1982 MEAN 7.18 MAX 22.11 MIN 2.25

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank at downstream side of bridge on State Highway 35, 2.1 mi (3.4 km) south of Carthage, 4.0 mi (6.4 km) downstream from Lobutcha Creek, 10.8 mi (17.4 km) upstream from Tuscolameta Creek, and at mile 366.3 (589.4 km).

DRAINAGE AREA.--1,346 mi² (3,486 km²).

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft (96.085 m) National Geodetic National Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--20 years, 1,967 ft³/s (55.71 m³/s), 19.85 in/yr (504 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s (2,890 m³/s) Apr. 14, 1979, gage height 28.74 ft (8.760 m); minimum 31 ft³/s (0.88 m³/s) Oct. 30, 1963, gage height, 2.36 ft (0.719 m); minimum gage height, 2.29 ft (0.698 m) Oct. 4, 5, 6, 7, 8, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft (8¼ m); flood in 1900 reached a stage of 25.6 ft (7.80 m); flood in 1932 reached a stage of 24.3 ft (7.41 m); flood of Apr. 11, 1938, reached a stage of 23.3 ft (7.10 m), all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft (7.74 m), discharge, 31,900 ft³/s (903 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,200 ft³/s (289 m³/s) Apr. 26, gage height, 19.67 ft (5.995 m); minimum, 49 ft³/s (1.39 m³/s) Oct. 4, 5, 6, 7, 8, gage height, 2.29 ft (0.698 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	127	324	1710	3190	3440	1890	4350	375	186	1080	260
2	57	112	399	1270	2740	3440	1690	3310	329	164	1230	332
3	57	103	436	1220	2850	3240	1720	2590	303	155	1170	370
4	55	98	331	1980	2770	2910	2130	2120	303	161	1130	319
5	55	95	266	1780	2730	2630	2140	1780	342	166	1000	252
6	55	92	221	1490	2840	2550	2520	1510	235	154	915	214
7	55	88	194	1470	2650	3350	2750	1270	270	145	981	189
8	61	86	176	1510	2260	3590	2700	1180	291	161	1030	168
9	72	82	162	1380	2220	3590	2530	1140	326	229	1060	149
10	108	82	151	1330	2340	3520	2560	993	387	199	1140	133
11	135	82	141	1240	2390	3240	2720	885	484	181	966	126
12	134	84	156	1160	2310	2870	2610	772	560	192	747	120
13	135	84	216	1210	2160	2490	2230	676	566	196	718	119
14	124	83	474	1260	1930	2210	1940	605	509	182	699	120
15	109	84	709	1180	1740	2070	1650	554	613	176	734	118
16	99	82	616	1420	2790	1960	1410	517	355	195	638	112
17	92	83	558	1510	3770	1790	1230	470	358	260	594	103
18	88	85	513	1380	3920	2230	1250	425	348	232	511	99
19	86	83	426	1400	4190	3410	1610	387	324	216	690	96
20	79	81	350	1370	4390	4240	2710	362	301	214	600	83
21	75	81	306	1640	4250	4370	5080	329	265	241	509	86
22	72	80	275	2250	4040	4680	6700	304	239	317	453	77
23	75	81	312	3660	3800	4970	8430	307	211	939	429	73
24	77	88	320	4190	3480	5230	9040	401	192	577	426	70
25	90	101	340	4200	2970	5170	9680	373	175	363	422	69
26	225	105	357	4220	2460	4780	10100	372	161	295	339	63
27	278	116	350	4130	3070	4220	9670	420	152	326	360	69
28	223	159	336	3940	3410	3600	8210	439	163	372	239	63
29	194	192	314	3880	---	3090	6850	450	137	353	251	67
30	169	233	289	3900	---	2610	5530	439	196	594	221	66
31	166	---	906	3530	---	2180	---	403	---	709	304	---
TOTAL	3345	3030	10908	67710	83710	103650	120840	30146	9370	8931	21644	4185
MEAN	108	101	352	2184	2990	3344	4028	972	312	288	698	140
MAX	278	233	906	4220	4390	5230	10100	4350	566	939	1230	370
MIN	55	80	141	1160	1740	1790	1230	304	152	145	221	66
CFSM	.08	.08	.26	1.62	2.22	2.48	2.99	.72	.23	.21	.52	.10
IN.	.09	.08	.30	1.87	2.31	2.86	3.34	.83	.26	.24	.60	.12

CAL YR 1981 TOTAL 341271 MEAN 935 MAX 16000 MIN 55 CFSM .70 IN 9.43
WTR YR 1982 TOTAL 467369 MEAN 1280 MAX 10100 MIN 55 CFSM .95 IN 12.92

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.35	3.20	6.75	9.83	12.77	13.17	10.28	14.50	5.05	3.73	3.12	4.32
2	2.33	3.04	5.20	8.71	12.07	13.18	9.31	12.95	4.78	3.55	8.60	4.80
3	2.32	2.93	5.24	8.57	12.19	12.85	9.89	11.72	4.61	3.47	8.39	5.03
4	2.30	2.88	4.79	10.49	12.04	12.29	10.81	10.73	4.60	3.52	8.17	4.65
5	2.29	2.84	4.36	10.05	11.98	11.89	10.84	10.05	4.55	3.56	7.94	4.26
6	2.29	2.80	4.03	9.32	12.17	11.65	11.59	9.34	4.49	3.49	7.52	3.97
7	2.29	2.75	3.80	9.28	11.94	13.02	12.02	8.70	4.39	3.39	7.76	3.77
8	2.38	2.70	3.66	9.39	11.09	13.40	11.92	8.44	4.53	3.52	7.93	3.59
9	2.56	2.68	3.53	9.03	11.00	13.40	11.61	8.29	4.76	4.09	8.03	3.41
10	2.96	2.68	3.43	8.88	11.32	13.30	11.63	7.82	5.12	3.84	8.30	3.26
11	3.28	2.68	3.34	8.62	11.34	12.86	11.95	7.43	5.66	3.70	7.70	3.16
12	3.27	2.70	3.48	8.37	11.18	12.22	11.76	6.97	6.04	3.79	7.03	3.12
13	3.28	2.70	3.98	8.53	10.36	11.54	11.02	6.57	6.12	3.81	6.75	3.11
14	3.16	2.69	5.55	8.69	10.39	10.97	10.41	6.25	5.89	3.71	6.67	3.12
15	2.99	2.70	6.70	8.43	9.95	10.70	9.75	6.01	5.43	3.66	6.59	3.10
16	2.89	2.68	6.30	9.14	11.97	10.42	9.11	5.84	5.09	3.82	6.40	3.03
17	2.81	2.65	6.03	9.37	13.58	10.03	8.58	5.59	5.11	4.17	6.20	2.94
18	2.76	2.72	5.80	9.02	13.91	11.00	8.66	5.35	5.05	4.11	6.30	2.89
19	2.71	2.69	5.34	9.08	14.28	13.11	9.11	5.13	4.83	3.99	6.63	2.83
20	2.64	2.66	4.91	9.01	14.56	14.36	11.47	4.98	4.60	3.97	6.23	2.76
21	2.59	2.66	4.62	9.65	14.38	14.54	15.48	4.73	4.35	4.13	5.79	2.70
22	2.55	2.65	4.56	11.07	14.03	14.96	17.13	4.61	4.16	4.69	5.49	2.61
23	2.58	2.67	4.57	13.42	13.73	15.34	18.37	4.64	3.95	7.53	5.37	2.56
24	2.62	2.75	4.72	14.29	13.26	15.67	18.95	5.21	3.79	6.09	5.35	2.52
25	2.85	2.91	4.85	14.31	12.40	15.59	19.37	5.03	3.65	4.99	5.33	2.51
26	4.05	2.96	4.95	14.34	11.48	15.07	19.63	5.04	3.52	4.56	5.14	2.49
27	4.44	3.08	4.91	14.20	12.56	14.33	19.23	5.32	3.44	4.75	4.85	2.51
28	4.36	3.50	4.81	13.93	13.13	13.42	18.37	5.62	3.54	5.04	4.52	2.49
29	3.81	3.79	4.68	13.85	---	12.60	17.27	5.49	3.75	4.93	4.25	2.43
30	3.59	4.11	4.52	13.72	---	11.74	16.01	5.47	3.83	6.20	4.03	2.45
31	3.38	---	7.14	13.30	---	10.91	---	5.22	---	6.71	4.51	---
MEAN	2.91	2.83	4.80	10.58	12.34	12.89	13.09	7.06	4.63	4.36	6.50	3.22
MAX	4.44	4.11	7.14	14.34	14.56	15.67	19.63	14.50	6.12	7.53	8.60	5.03
MIN	2.29	2.65	3.34	8.37	9.95	10.03	8.58	4.61	3.44	3.39	4.03	2.43

WTR YR 1982 MEAN 7.07 MAX 19.63 MIN 2.29

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW¼ sec.34, T.9 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mi (0.6 km) southwest of Walnut Grove, 0.6 mi (1.0 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 mi (12.1 km) upstream from junction of north and south drainage canals, and 15.5 mi (24.9 km) upstream from mouth.

DRAINAGE AREA.--411 mi² (1,064 km²), combined drainage area for all channels.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44(M).

GAGE.--Water-stage recorder. Datum of gages is 322.70 ft (98.359 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 18, 1939, nonrecording gage and June 18, 1939 to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mi (0.3 km) upstream at same datum. Water-stage recorder, on south canal right bank at upstream side of bridge on State Highway 35, 1 mi (2 km) south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft (549 m) downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft (3.048 m) higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--44 years, 535 ft³/s (15.15 m³/s), 17.68 in/yr (449 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s (980 m³/s) Jan. 7, 1950, gage height, 33.00 ft (10.058 m) present datum, north canal, at site 0.2 miles (0.3 km) upstream; maximum gage height, south canal, 31.53 ft (9.610 m) Jan. 7, 1950, present datum, at site 1,800 ft (549 m) downstream; minimum discharge, 2.4 ft³/s (0.068 m³/s) Oct. 2, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 34.5 ft (7.47 m), present datum, from floodmark, believed to be flood of April 1900.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 18	1245	5700	161	25.97	7.916	Aug. 2	2000	*5910	167	26.06	7.943
Apr. 22	0200	4780	135	25.59	7.800						

Minimum daily discharge, 11 ft³/s (0.31 m³/s) Oct. 1, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	22	234	1380	377	1620	314	150	31	137	3130	171
2	12	21	246	1300	637	781	320	161	37	101	5670	67
3	13	19	131	395	1930	630	238	143	27	59	5250	41
4	12	19	113	374	2230	329	138	121	23	46	2390	34
5	12	19	91	360	2160	275	167	102	20	36	611	30
6	11	21	97	462	1130	565	166	87	19	24	497	26
7	15	23	107	522	578	1550	139	73	17	20	1360	25
8	18	25	110	659	454	1700	120	116	15	17	1170	23
9	21	24	119	634	465	1200	116	133	14	55	837	21
10	29	31	116	295	571	604	107	98	13	267	413	30
11	42	32	113	213	535	362	99	75	19	175	218	21
12	30	38	120	163	365	297	88	64	25	92	228	21
13	27	40	155	187	339	264	93	56	58	83	255	24
14	21	32	236	279	274	262	78	52	46	93	284	29
15	17	32	563	359	246	231	77	63	53	76	173	31
16	15	29	405	624	2020	205	76	49	62	113	124	28
17	19	32	263	550	3400	190	92	44	51	149	101	46
18	26	39	179	656	5530	167	116	43	79	113	97	40
19	18	40	147	521	4530	160	148	39	59	90	71	32
20	20	37	132	421	1350	149	1690	34	39	95	63	29
21	21	63	125	483	499	476	2810	31	30	87	56	26
22	20	52	130	554	364	1230	3870	32	26	163	50	26
23	22	73	149	1650	272	2180	3950	105	28	449	45	25
24	31	59	172	1970	236	1670	1290	210	25	775	41	27
25	46	66	247	1560	139	865	736	97	25	619	37	28
26	270	87	333	1060	272	501	1100	61	44	407	32	29
27	252	82	251	673	1640	397	763	60	60	295	31	27
28	136	96	196	385	1610	256	307	61	426	329	28	23
29	52	114	153	229	---	209	235	45	420	166	26	29
30	36	118	135	204	---	182	190	39	206	600	90	24
31	27	---	590	270	---	196	---	37	---	1750	167	---
TOTAL	1256	1379	6245	20591	34171	20246	19761	2505	2025	7291	23305	1039
MEAN	40.5	46.0	201	664	1220	653	659	80.8	67.5	235	752	34.6
MAX	270	118	590	1970	5530	2180	3950	210	426	1750	5670	171
MIN	11	19	91	163	139	149	76	31	13	17	26	21
CFSM	.10	.11	.49	1.62	2.97	1.59	1.60	.20	.16	.57	1.83	.08
IN.	.11	.12	.57	1.86	3.09	1.83	1.79	.23	.18	.65	2.11	.09

CAL YR 1981 TOTAL 106225.6 MEAN 291 MAX 8230 MIN 9.6 CFSM .71 IN 9.61
WTR YR 1982 TOTAL 139814.0 MEAN 383 MAX 5530 MIN 11 CFSM .93 IN 12.66

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.24	11.27	12.23	18.17	13.21	18.36	12.68	12.01	10.49	11.69	24.52	12.26
2	11.23	11.31	12.39	17.27	14.38	15.46	12.63	11.84	10.58	11.23	25.33	11.07
3	11.24	11.30	11.96	15.51	21.28	13.72	12.21	11.67	10.45	10.83	25.32	10.70
4	11.26	11.33	11.69	15.64	22.27	13.08	11.97	11.54	10.39	10.62	23.55	10.55
5	11.29	11.36	11.57	15.43	21.81	12.72	11.84	11.36	10.36	10.49	14.31	10.49
6	11.28	11.38	11.59	13.40	17.22	14.26	11.91	11.20	10.35	10.40	13.92	10.43
7	11.29	11.44	11.61	14.71	16.47	19.67	11.69	11.10	10.33	10.35	19.28	10.43
8	11.33	11.47	11.59	15.19	13.70	19.62	11.49	11.47	10.30	10.30	17.32	10.44
9	11.37	11.49	11.62	14.12	13.63	17.30	11.41	11.73	10.29	10.73	15.69	10.41
10	11.48	11.53	11.55	13.14	14.05	14.61	11.31	11.30	10.28	12.33	13.65	10.53
11	11.60	11.55	11.50	12.50	13.68	13.37	11.22	11.07	10.29	11.95	12.31	10.45
12	11.51	11.58	11.53	12.03	13.36	12.99	11.16	10.95	10.38	11.04	12.42	10.46
13	11.38	11.60	11.73	12.10	12.77	12.62	11.09	10.86	10.68	10.97	12.20	10.48
14	11.35	11.57	12.34	12.69	12.53	12.47	11.04	10.78	11.15	11.05	12.69	10.53
15	11.33	11.58	13.81	13.22	12.33	12.39	11.02	10.73	10.72	10.88	12.01	10.58
16	11.31	11.56	13.01	14.57	20.71	12.21	11.00	10.72	10.61	11.17	11.59	10.56
17	11.34	11.58	12.27	15.49	24.62	12.02	11.06	10.68	10.69	11.46	11.35	10.78
18	11.47	11.62	11.93	14.60	25.38	11.89	11.40	10.61	11.05	11.24	11.18	10.65
19	11.34	11.63	11.75	14.05	25.37	11.82	11.59	10.59	10.84	11.03	11.00	10.56
20	11.36	11.61	11.63	13.50	18.96	11.73	19.58	10.56	10.60	11.04	10.88	10.53
21	11.35	11.73	11.56	14.02	14.21	13.35	24.15	10.51	10.47	11.00	10.78	10.51
22	11.31	11.63	11.60	14.51	13.23	20.61	24.97	10.51	10.44	11.60	10.69	10.55
23	11.34	11.77	11.75	19.42	12.73	21.12	25.04	10.69	10.43	13.26	10.64	10.55
24	11.45	11.70	11.90	20.42	12.44	18.96	18.35	11.84	10.37	15.24	10.51	10.58
25	11.60	11.74	12.06	19.41	12.20	16.04	15.33	11.26	10.32	15.18	10.56	10.60
26	12.04	11.81	12.65	16.93	12.62	14.32	17.07	10.87	10.31	13.62	10.50	10.63
27	12.25	11.79	12.16	13.97	19.36	13.28	15.63	10.80	10.77	12.56	10.47	10.63
28	11.53	11.79	11.87	12.90	20.14	12.54	13.51	10.91	13.39	13.09	10.42	10.65
29	11.40	11.90	11.73	12.40	---	12.18	12.48	10.71	13.97	11.81	10.40	10.69
30	11.31	11.91	11.62	12.19	---	11.93	12.10	10.60	12.40	13.73	11.06	10.71
31	11.28	---	14.09	12.55	---	12.09	---	10.55	---	20.64	12.06	---
MEAN	11.62	11.59	12.00	14.71	16.52	14.47	13.92	11.03	10.79	12.02	13.89	10.63
MAX	12.25	11.91	14.09	20.42	25.38	21.12	25.04	12.01	13.97	20.64	25.33	12.26
MIN	11.23	11.27	11.50	12.03	12.20	11.73	11.00	10.51	10.28	10.30	10.40	10.41

CAL YR 1981 MEAN 12.25 MAX 26.78 MIN 10.49
WTR YR 1982 MEAN 12.73 MAX 25.38 MIN 10.28

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2.0 mi (3.2 km) south of Kosciusko.

DRAINAGE AREA.--303 mi² (785 km²).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft (114.099 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 433 ft³/s (12.26 m³/s), 19.41 in/yr (493 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,700 ft³/s (1,150 m³/s) Apr. 13, 1979, gage height, 23.06 ft (7.029 m); minimum discharge, 2.3 ft³/s (0.065 m³/s) Aug. 20-24, 1943; minimum gage height, 0.10 ft (0.030 m) Sept. 3-6, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft (5.2 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s (85.0 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 24	0800	3630	103	13.50	4.114	Apr. 22	0500	*7980	226	15.62	4.761
Mar. 18	0600	3520	99.7	13.43	4.093						

Minimum daily, 9.4 ft³/s (0.27 m³/s) July 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	14	231	657	526	1300	177	204	338	103	242	32
2	11	13	166	254	479	784	156	173	89	132	127	25
3	11	14	58	362	500	373	298	181	63	47	71	19
4	11	14	62	773	513	283	267	165	35	30	69	17
5	11	15	52	1120	602	240	1090	102	54	20	41	15
6	11	14	48	1220	328	455	1690	75	42	16	36	16
7	10	14	47	543	322	1270	1020	79	32	16	65	16
8	37	13	43	219	293	1550	395	496	25	33	48	13
9	36	12	42	166	435	1170	263	332	23	21	40	13
10	31	12	40	119	932	579	203	169	18	20	32	12
11	29	12	40	95	752	332	167	90	16	19	27	13
12	26	12	59	89	450	272	143	64	21	23	24	15
13	19	12	91	91	356	234	126	49	21	18	23	25
14	16	12	411	128	295	216	119	42	22	21	23	23
15	14	12	335	124	250	207	109	57	16	21	43	23
16	13	13	137	220	736	195	104	50	79	15	116	20
17	13	13	118	256	1590	1910	660	43	107	12	46	16
18	16	13	96	192	1510	3020	1450	36	56	14	154	14
19	16	13	86	196	1060	1160	1260	29	46	12	113	15
20	16	14	76	223	480	639	3950	29	26	14	69	13
21	13	14	72	183	316	339	5930	27	19	22	36	12
22	12	13	86	293	245	680	7400	21	17	14	52	11
23	15	13	93	1620	198	735	4760	23	15	11	35	11
24	16	14	90	3330	172	660	2210	32	16	11	26	10
25	26	16	95	3620	155	335	716	23	12	9.4	21	10
26	50	14	101	3210	239	263	591	80	11	31	19	16
27	51	60	91	1580	950	199	622	142	12	400	17	14
28	30	101	81	456	1470	171	272	45	24	121	71	12
29	21	66	75	327	---	153	196	27	70	304	35	11
30	18	135	67	279	---	142	220	21	68	338	28	11
31	15	---	317	420	---	163	---	157	---	199	23	---
TOTAL	615	705	3527	21855	16056	19026	36220	3021	1357	2066.4	1842	473
MEAN	19.8	23.5	114	705	573	614	1207	97.5	45.2	66.7	59.4	15.8
MAX	51	135	411	3620	1590	3020	7400	496	338	400	242	32
MIN	10	12	40	89	155	142	104	21	11	9.4	17	10
CFSM	.07	.08	.38	2.33	1.89	2.03	3.98	.32	.15	.22	.20	.05
IN.	.08	.09	.43	2.69	1.97	2.34	4.45	.37	.17	.25	.23	.06

CAL YR 1981 TOTAL 60681.0 MEAN 166 MAX 3640 MIN 10 CFSM .55 IN 7.45
WTR YR 1982 TOTAL 106843.4 MEAN 293 MAX 7400 MIN 9.4 CFSM .97 IN 13.12

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi (2.4 km) east of Ofahoma, 3.5 mi (5.6 km) upstream from mouth, and 8.5 mi (13.7 km) southwest of Carthage.

DRAINAGE AREA.--469 mi² (1,215 km²).

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft (94.839 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 685 ft³/s (19.40 m³/s), 19.83 in/yr (504 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,500 ft³/s (1,320 m³/s) Apr. 14, 1979, gage height, 23.27 ft (7.093 m); minimum, 4.9 ft³/s (0.14 m³/s) Aug. 20, Sept. 11, 1954; minimum gage height, 0.76 ft (0.232 m) Oct. 7-8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,100 ft³/s (201 m³/s) Apr. 24, gage height, 16.96 ft (5.169 m); minimum, 16 ft³/s (0.45 m³/s) Oct. 7-8, gage height, 0.76 ft (0.232 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	40	129	325	677	860	215	403	65	90	515	64
2	18	35	156	314	543	1140	224	332	181	104	436	45
3	17	31	212	388	629	1400	323	294	339	112	363	44
4	17	28	198	385	723	1420	493	252	232	134	263	45
5	16	27	152	356	695	1090	613	233	135	91	168	40
6	16	27	91	415	654	712	843	208	104	66	98	36
7	16	29	71	533	605	1030	1050	175	101	52	89	33
8	16	29	61	683	510	1010	1400	154	93	46	106	31
9	17	29	57	941	498	1110	1550	165	79	43	117	30
10	36	29	53	753	503	1390	1270	304	69	74	96	29
11	55	28	50	391	547	1550	745	346	62	62	78	28
12	50	27	51	242	705	1390	412	263	60	48	65	27
13	43	25	57	232	875	936	302	163	56	45	56	28
14	39	26	121	206	856	543	253	128	58	42	56	30
15	34	26	192	203	635	390	235	110	57	53	50	33
16	29	26	274	298	316	329	227	103	68	43	50	36
17	25	26	333	289	1100	302	219	111	78	49	68	38
18	24	26	285	336	1080	739	267	102	145	55	139	37
19	22	27	182	359	1320	1510	510	92	151	39	428	35
20	21	27	121	319	1600	2640	1370	92	110	51	601	31
21	21	26	112	396	1650	2640	3620	75	82	62	241	33
22	21	26	104	428	1350	1780	5230	72	67	46	149	29
23	22	27	101	673	854	1210	6050	99	58	241	95	26
24	22	30	105	934	480	938	6870	137	54	81	86	24
25	26	30	116	1280	357	925	5260	126	49	51	74	23
26	47	31	113	1390	296	869	3700	105	45	40	58	22
27	46	46	109	2510	701	656	2360	104	43	37	48	24
28	69	56	113	3010	763	440	1450	127	46	87	42	27
29	79	82	107	2320	---	314	960	152	48	275	39	24
30	64	128	97	1960	---	269	622	101	54	335	72	27
31	49	---	379	1150	---	222	---	75	---	423	113	---
TOTAL	995	1051	4292	24904	21932	31739	48623	5181	2787	2981	4956	977
MEAN	32.1	35.0	138	803	783	1024	1621	167	92.9	96.2	160	32.6
MAX	79	128	379	3010	1650	2640	6870	408	339	423	601	64
MIN	16	26	50	206	296	222	215	72	43	37	39	22
CFSM	.07	.07	.29	1.71	1.67	2.18	3.46	.36	.20	.21	.34	.07
IN.	.08	.08	.34	1.98	1.74	2.52	3.86	.41	.22	.24	.39	.08

CAL YR 1981 TOTAL 96842 MEAN 265 MAX 5740 MIN 16 CFSM .57 IN 7.68
WTR YR 1982 TOTAL 150458 MEAN 412 MAX 6870 MIN 16 CFSM .88 IN 11.93

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.83	1.29	2.49	4.16	6.29	7.19	3.32	4.81	1.70	1.27	5.42	1.51
2	.83	1.19	2.77	4.10	5.58	9.44	3.40	4.31	2.92	2.05	4.96	1.22
3	.81	1.12	3.30	4.63	6.05	9.48	4.14	4.05	4.23	2.13	4.41	1.20
4	.80	1.06	3.17	4.61	6.53	9.53	5.29	3.73	3.32	2.44	3.51	1.21
5	.78	1.03	2.53	4.41	6.39	8.19	5.94	3.59	2.37	1.89	2.73	---
6	.77	1.04	2.05	4.80	6.18	6.51	7.11	3.33	2.05	1.56	1.98	---
7	.76	1.07	1.78	5.52	5.92	7.96	8.04	3.00	2.02	1.36	1.86	---
8	.77	1.07	1.64	6.32	5.39	7.87	9.48	2.76	1.91	1.25	2.08	---
9	.81	1.08	1.59	7.10	5.31	8.27	10.03	2.86	1.73	1.23	2.20	---
10	1.21	1.07	1.51	6.67	5.35	9.41	9.95	4.03	1.60	1.66	1.93	---
11	1.55	1.06	1.46	4.63	5.60	10.03	6.61	4.36	1.50	1.50	1.72	---
12	1.46	1.03	1.48	3.54	6.44	9.41	4.79	3.55	1.47	1.27	1.56	---
13	1.36	1.01	1.58	3.47	7.26	7.51	4.01	2.86	1.39	1.22	1.41	---
14	1.28	1.02	2.37	3.24	7.17	5.56	3.66	2.48	1.43	1.19	1.40	---
15	1.18	1.02	3.03	3.26	6.07	4.64	3.49	2.23	1.42	1.35	1.31	1.01
16	1.07	1.01	3.80	3.99	6.92	4.22	3.43	2.23	1.58	1.19	1.31	1.07
17	1.00	1.01	4.25	3.92	5.24	4.02	3.36	2.29	1.72	1.23	1.55	1.10
18	.96	1.02	3.88	4.27	8.19	6.51	3.75	2.19	2.49	1.38	2.42	1.08
19	.93	1.04	3.02	4.43	9.14	9.81	5.37	2.06	2.57	1.13	4.95	---
20	.90	1.03	2.52	4.15	10.19	12.82	9.27	1.94	2.11	1.29	5.90	---
21	.89	1.02	2.30	4.66	10.36	12.84	14.13	1.84	1.77	1.49	4.19	---
22	.91	1.01	2.21	4.89	9.28	10.89	16.10	1.80	1.57	1.22	2.53	---
23	.93	1.03	2.17	6.26	7.14	9.01	16.52	2.15	1.43	3.39	1.93	---
24	.93	1.09	2.22	7.52	5.20	8.01	16.86	2.59	1.37	1.73	1.33	---
25	1.01	1.10	2.35	8.99	4.27	7.89	16.07	2.45	1.29	1.32	1.57	---
26	1.41	1.12	2.32	11.05	3.97	7.58	14.48	2.22	1.23	1.15	1.43	---
27	1.60	1.36	2.27	12.59	6.40	6.47	12.23	2.21	1.20	1.03	1.28	---
28	1.76	1.55	2.32	13.51	6.63	5.19	9.64	2.46	1.24	1.60	1.18	.87
29	1.90	1.92	2.25	13.18	---	4.27	7.59	2.74	1.28	3.60	1.12	.86
30	1.68	2.43	2.12	11.18	---	3.73	6.04	2.17	1.36	4.12	1.57	.89
31	1.65	---	4.32	8.43	---	3.44	---	1.84	---	4.81	2.15	---
MEAN	1.11	1.17	2.49	6.24	6.70	7.66	8.10	2.81	1.94	1.80	2.43	---
MAX	1.90	2.48	4.32	13.51	10.36	12.84	16.86	4.81	4.23	4.81	5.90	---
MIN	.76	1.01	1.46	3.24	3.97	3.44	3.32	1.80	1.20	1.03	1.12	---

CAL YR 1981 MEAN 2.90 MAX 16.39 MIN .76

02484630 PEARL RIVER AT COAL BLUFF NEAR RATLIFF, MS

LOCATION.--Lat 32°35'25", long 89°46'49", in NW¼ sec.34, T.9 N., R.5 E., Choctaw Meridian, Scott County, on left bank at Coal Bluff Park, 0.5 mi (0.8 km) upstream from Sycamore Creek and 1.8 mi (1.9 km) northeast of Ratliff.

DRAINAGE AREA.--2,595 mi² (6,721 km²).

PERIOD OF RECORD.--January 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 290.00 ft (88.392 m) National Geodetic Vertical Datum of 1929.

EXTREMES OUTSIDE PERIOD OF RECORD.--A gage-height of approximately 26.5 ft (8.08 m) occurred Apr. 15, 1979 as reported by Park Ranger.

EXTREMES FOR CURRENT PERIOD.--January to September 1981: Maximum gage height, 19.82 ft (6.041 m) Apr. 6, minimum 5.95 ft (1.814 m) Sept. 29, 30. Water year 1982: maximum gage height 17.72 ft (5.401 m) Apr. 25; minimum, 5.40 ft (1.646 m) Nov. 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				---	5.85	6.16	12.82	6.29	7.44	7.38	6.91	6.15
2				---	6.70	6.98	16.41	6.23	7.46	7.59	6.90	6.22
3				---	7.75	8.13	18.63	6.26	7.54	7.60	6.92	6.32
4				---	7.61	8.28	19.28	6.25	7.44	7.60	6.88	6.37
5				---	7.79	---	19.62	6.21	7.40	7.72	6.86	6.36
6				---	7.76	---	19.74	6.24	7.46	7.70	6.84	6.35
7				---	7.53	---	18.35	6.23	7.42	7.64	6.83	6.34
8				---	7.15	---	17.14	6.24	7.64	7.56	6.78	6.33
9				---	6.72	---	14.97	6.25	7.63	7.54	6.76	6.27
10				---	6.75	---	12.79	6.50	7.51	7.52	6.73	6.26
11				---	6.85	---	11.32	6.30	7.46	7.52	6.68	6.24
12				---	6.43	---	10.27	6.26	7.53	7.51	6.63	6.22
13				---	8.15	---	9.41	6.32	7.71	7.49	6.60	6.21
14				---	8.78	---	8.52	6.37	7.73	7.46	6.60	6.25
15				---	8.37	---	7.54	6.27	7.62	7.44	6.56	6.30
16				---	7.95	---	6.84	6.34	7.56	7.42	6.55	6.31
17				---	7.60	---	6.79	6.38	7.47	7.40	6.49	6.27
18				---	7.56	6.31	6.84	6.59	7.44	7.36	6.49	6.22
19				---	7.68	6.08	6.46	7.64	7.46	7.36	6.43	6.22
20				---	7.69	5.95	6.36	8.93	7.47	7.35	6.37	6.21
21				---	7.54	5.86	6.24	9.00	7.46	7.31	6.34	6.18
22				---	7.34	6.25	6.28	8.56	7.40	7.25	6.32	6.17
23				---	7.06	8.00	6.29	8.17	7.38	7.21	6.31	6.12
24				---	6.75	8.84	6.27	7.72	7.34	7.18	6.29	6.10
25				---	6.52	8.81	6.29	7.46	7.35	7.17	6.23	6.08
26				---	6.36	8.27	6.30	7.49	7.29	7.13	6.23	6.09
27				5.93	6.25	7.57	6.30	7.33	7.26	7.10	6.21	6.06
28				5.89	6.20	6.91	6.33	7.36	7.26	7.08	6.17	6.03
29				5.87	---	6.59	6.35	7.42	7.23	7.04	6.16	5.99
30				5.81	---	7.96	6.32	7.42	7.21	7.01	6.14	5.99
31				5.72	---	10.57	---	7.40	---	6.96	6.10	---
MEAN				---	7.23	---	10.45	6.95	7.45	7.37	6.53	6.21
MAX				---	8.78	---	19.74	9.00	7.73	7.72	6.92	6.37
MIN				---	5.85	---	6.24	6.21	7.21	6.96	6.10	5.99

02484630 PEARL RIVER AT COAL BLUFF NEAR RATLIFF, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.79	5.76	5.68	7.16	8.94	10.28	6.96	10.43	7.28	7.47	9.67	7.30
2	5.91	5.78	5.68	7.72	8.52	10.19	6.87	9.38	7.27	7.43	10.36	7.29
3	5.86	5.77	5.75	7.58	8.52	9.78	6.73	8.52	7.32	7.46	10.75	7.26
4	5.85	5.77	5.71	7.36	7.44	9.23	6.73	7.98	7.39	7.45	10.89	7.20
5	5.93	5.76	5.66	7.85	9.97	8.74	7.01	7.65	7.29	7.40	10.60	7.20
6	5.83	5.75	5.63	7.87	9.98	8.26	7.17	7.51	7.27	7.38	9.01	7.17
7	5.72	5.73	5.63	7.40	9.50	9.26	7.50	7.41	7.27	7.35	8.99	7.15
8	5.74	5.72	5.61	7.57	8.57	10.54	7.94	7.23	7.26	7.33	8.25	7.11
9	5.76	5.69	5.64	7.60	7.88	10.78	8.15	7.22	7.28	7.34	8.32	7.07
10	5.78	5.67	5.57	7.25	7.94	10.41	8.06	7.23	7.24	7.35	8.15	7.06
11	5.77	5.67	5.52	6.75	7.96	9.87	7.73	7.25	7.19	7.37	7.85	7.08
12	5.74	5.66	5.55	6.44	7.97	9.32	7.47	7.24	7.28	7.33	7.65	7.08
13	5.72	5.64	5.60	6.34	7.75	8.68	7.23	7.17	7.27	7.36	7.60	7.10
14	5.72	5.64	5.74	6.42	7.62	7.93	6.93	7.11	7.28	7.35	7.65	7.09
15	5.72	5.64	5.93	6.49	7.34	7.40	6.74	7.09	7.33	7.33	7.68	7.06
16	5.70	5.65	6.15	6.68	8.01	7.10	6.59	7.08	7.40	7.35	7.63	7.02
17	5.74	5.62	6.11	7.22	10.60	6.89	6.40	7.06	7.42	7.33	7.51	7.02
18	5.77	5.61	5.98	7.42	12.37	6.73	6.21	7.07	7.42	7.36	7.40	7.00
19	5.66	5.69	5.78	7.18	12.68	7.62	6.36	7.07	7.44	7.34	7.39	6.97
20	5.60	5.55	5.79	6.99	12.94	8.89	7.78	7.08	7.42	7.34	7.48	6.95
21	5.58	5.52	5.84	6.83	12.91	10.03	11.19	7.09	7.42	7.37	7.47	6.89
22	5.51	5.50	5.86	7.73	11.24	10.72	14.45	7.05	7.47	7.42	7.38	6.85
23	5.50	5.51	5.77	9.17	9.77	11.55	16.15	7.06	7.44	7.50	7.36	6.83
24	5.49	5.49	5.75	10.67	8.96	12.01	17.15	7.13	7.43	7.65	7.38	6.81
25	5.59	5.45	5.78	11.35	8.33	11.87	17.61	7.25	7.42	7.69	7.37	6.73
26	5.78	5.49	5.81	11.34	7.37	11.15	16.70	7.27	7.39	7.69	7.33	6.74
27	5.79	5.47	5.85	11.07	8.37	10.17	15.66	7.28	7.42	7.66	7.36	6.71
28	5.81	5.46	5.85	10.69	9.78	9.39	14.46	7.30	7.49	7.67	7.30	6.69
29	5.82	5.43	5.90	10.52	---	8.70	12.97	7.32	7.55	7.67	7.27	6.66
30	5.79	5.55	5.77	10.17	---	7.84	11.63	7.31	7.51	7.65	7.27	6.63
31	5.79	---	6.09	9.63	---	7.35	---	7.32	---	8.04	7.28	---
MEAN	5.74	5.62	5.77	8.14	9.34	9.32	9.68	7.46	7.36	7.46	8.38	6.99
MAX	5.93	5.78	6.15	11.35	12.94	12.01	17.61	10.43	7.55	8.04	10.89	7.30
MIN	5.49	5.43	5.52	6.34	7.34	6.73	6.21	7.05	7.19	7.33	7.27	6.63

WTR YR 1982 MEAN 7.57 MAX 17.61 MIN 5.43

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'54", long 90°10'43", in NE¼NE¼ sec.15, T.5 N., R.1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 80 at eastern city limits of Jackson, 0.4 mi (0.6 km) downstream from Illinois Central Railroad bridge, 0.4 mi (0.6 km) downstream from Town Creek, 4.2 mi (6.8 km) upstream from Richland Creek, and at mile 287.0 (461.8 km).

DRAINAGE AREA.--3,171 mi² (8,213 km²).

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909. WSP 1906: 1902(M).

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft (71.232 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913; and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, at datum 1.20 ft (0.366 m) higher. Since Oct. 1, 1962, supplementary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi (6.1 km) upstream (channel change). Datum of supplementary gage is 239.40 ft (72.969 m) NGVD.

REMARKS.--Records good. About 48 ft³/s (1.36 m³/s) is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plan at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi (24 km) upstream.

AVERAGE DISCHARGE.--65 years (1901-12, 1928-81), 4,040 ft³/s (114.4 m³/s), 17.30 in/yr (439 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Apr. 17, 1979, gage height, 43.28 ft (13.192 m), minimum daily discharge, 45 ft³/s (1.27 m³/s) Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 ft³/s (2.21 m³/s) Oct. 11, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft (11.3 m) and the flood of Dec. 5, 1880, reached a stage of 36½ ft (11¼ m), at former site and datum. The flood of Apr. 21, 1900, reached a stage of 36.7 ft (11.19 m), according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,900 ft³/s (564 m³/s) Apr. 24, gage height, 28.19 ft (8.592 m); minimum daily, 146 ft³/s (4.13 m³/s) Nov. 16, gage height 3.48 ft (1.061 m) Nov. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	190	450	3770	6840	8030	3680	11600	312	1030	5450	328
2	243	193	258	4790	5440	7630	3520	9200	280	440	9360	322
3	243	193	199	5640	5880	7050	3520	6600	277	322	10600	368
4	243	193	154	5530	5530	6560	3520	3890	289	312	9730	332
5	237	182	137	4050	7130	5570	2940	2070	299	318	7750	323
6	234	182	135	3640	7230	5770	2900	1910	293	332	5570	322
7	231	173	132	4970	6840	8440	3290	1110	277	349	4650	312
8	365	173	173	5410	5940	9010	3320	1410	271	329	2840	305
9	268	176	173	4480	5620	8650	3860	1440	264	375	2130	305
10	325	168	168	3440	4650	8100	4430	1720	264	351	3340	302
11	258	162	165	3070	3690	7230	3690	700	305	305	2710	335
12	243	154	407	2110	3850	6330	3110	737	749	341	1740	979
13	240	162	216	2110	4440	5520	1950	956	382	358	1190	411
14	249	152	1130	1990	4040	5420	1360	934	286	332	472	322
15	266	157	1070	2120	3470	5150	1310	1020	268	368	432	302
16	237	146	1190	2810	7580	3840	2030	610	1140	399	1220	302
17	246	154	1180	3900	10700	2840	2380	584	581	393	2180	289
18	264	255	1030	4180	13000	2740	1900	504	312	328	1630	283
19	249	274	829	4600	14500	2900	1260	302	285	461	1340	283
20	243	277	821	4420	14400	4160	6970	283	283	522	1130	299
21	237	261	616	3720	13100	6510	12200	274	501	483	963	289
22	240	264	737	4510	11100	10700	15400	264	519	305	921	289
23	341	264	537	7770	3920	12100	17800	277	296	458	497	286
24	258	274	512	9300	6950	12700	19400	286	280	1150	299	283
25	1080	249	778	10300	5160	13200	19000	287	472	1330	236	277
26	751	243	774	10700	4830	12500	18700	277	712	610	236	287
27	309	312	512	10100	7320	10200	17400	277	657	526	239	286
28	256	255	433	8940	7820	7740	15200	264	614	1420	299	277
29	249	249	476	8300	---	5490	13700	271	1330	2030	312	274
30	210	389	476	8020	---	3360	12800	277	1430	1850	429	263
31	202	---	3270	7390	---	3780	---	299	---	1370	355	---
TOTAL	9255	6476	19538	166570	207080	220050	222570	49735	14219	20195	80440	9846
MEAN	299	216	630	5373	7396	7098	7419	1604	474	651	2595	328
MAX	1080	389	3270	10700	14500	13200	19400	11600	1430	2030	10600	979
MIN	202	146	154	1990	3470	2740	1260	264	264	305	236	263
CFSM	.09	.07	.20	1.69	2.33	2.24	2.34	.51	.15	.21	.82	.10
IN.	.11	.08	.23	1.95	2.43	2.58	2.61	.58	.17	.24	.94	.12

CAL YR 1981 TOTAL 693821 MEAN 1901 MAX 24600 MIN 146 CFSM .60 IN 8.14
WTR YR 1982 TOTAL 1026274 MEAN 2812 MAX 19400 MIN 146 CFSM .89 IN 12.04

02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.71	3.56	4.62	12.03	17.70	19.61	11.86	23.27	4.48	6.17	14.94	4.05
2	3.72	3.55	4.09	13.96	15.16	19.02	11.54	21.05	4.37	4.69	21.28	4.04
3	3.72	3.55	3.90	15.52	15.97	18.07	11.54	17.27	4.35	4.35	22.50	4.13
4	3.72	3.55	3.75	15.51	17.23	17.20	11.54	12.23	4.38	4.31	21.72	4.07
5	3.70	3.52	3.88	12.58	18.21	15.40	10.36	8.62	4.41	4.33	19.15	4.06
6	3.69	3.53	3.88	11.77	18.38	15.77	10.29	6.43	4.35	4.35	15.40	4.03
7	3.68	3.51	3.88	14.31	17.70	20.15	11.07	6.64	4.33	4.40	13.74	4.00
8	4.10	3.52	3.86	15.11	15.08	20.89	11.13	7.24	4.30	4.34	10.17	3.99
9	3.90	3.55	3.87	13.40	15.50	20.47	12.22	7.30	4.28	4.49	8.70	3.98
10	3.78	3.53	3.86	11.37	13.73	19.71	13.32	7.89	4.27	4.40	11.17	3.97
11	3.77	3.52	3.87	10.52	11.43	18.37	11.87	5.72	4.40	4.25	9.70	4.07
12	3.72	3.50	6.63	8.63	12.22	16.79	10.72	5.80	5.59	4.36	7.30	5.78
13	3.71	3.56	6.07	8.63	13.34	15.50	8.39	6.27	4.61	4.41	5.50	4.23
14	3.74	3.51	6.43	8.42	12.58	15.13	7.21	6.22	4.31	4.32	4.73	4.02
15	3.73	3.56	6.31	8.68	11.44	14.64	7.16	6.39	4.26	4.39	4.62	3.97
16	3.70	3.51	6.60	10.11	18.51	12.17	8.64	5.47	6.40	5.75	6.60	3.96
17	3.73	3.56	6.56	12.09	22.59	10.19	7.26	5.40	5.13	4.49	8.84	3.92
18	3.79	3.92	6.22	12.85	24.32	9.97	7.30	5.18	4.39	4.29	7.55	3.90
19	3.76	3.99	5.77	13.63	25.31	10.29	7.02	4.60	4.30	4.61	6.39	3.93
20	3.72	4.00	5.75	13.30	25.29	12.82	17.67	4.53	4.29	4.84	6.40	3.95
21	3.70	3.97	5.74	11.94	24.41	16.95	23.72	4.49	4.32	4.72	5.96	3.92
22	3.71	3.99	5.55	13.48	22.36	22.53	25.88	4.45	4.93	4.20	5.91	3.92
23	4.03	4.00	5.03	19.07	20.75	23.68	27.13	4.47	4.31	4.64	4.32	3.91
24	3.77	4.04	4.96	21.24	17.35	24.16	27.97	4.49	4.26	6.41	4.23	3.90
25	6.01	3.94	5.66	22.23	14.65	24.45	27.75	4.49	4.74	6.93	4.14	3.88
26	5.11	3.97	5.64	22.56	14.15	23.96	27.52	4.44	5.45	5.05	4.12	3.91
27	3.93	4.19	4.96	22.01	18.56	22.15	26.95	4.43	5.30	4.34	4.10	3.90
28	3.79	4.03	4.95	20.80	19.32	19.42	25.76	4.38	5.16	7.03	4.10	3.87
29	3.74	4.01	4.86	19.99	---	15.25	24.83	4.39	6.88	8.47	4.10	3.86
30	3.61	4.44	4.35	19.60	---	12.21	24.23	4.40	7.08	8.06	4.37	3.84
31	3.58	---	10.96	19.41	---	12.06	---	4.45	---	8.11	4.17	---
MEAN	3.89	3.75	5.12	14.67	17.70	17.39	15.76	7.17	4.80	5.16	8.99	4.03
MAX	6.01	4.44	10.96	22.56	25.31	24.45	27.97	23.27	7.08	8.47	22.50	5.78
MIN	3.58	3.50	3.75	8.42	11.44	9.97	7.02	4.38	4.26	4.20	4.10	3.84

WTR YR 1982 MEAN 8.96 MAX 27.97 MIN 3.50

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'12", long 90°05'16", in SW¼ sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mi (1.6 km) east of Monticello, 2.5 mi (4.0 km) upstream from Halls Creek, 4.1 mi (6.6 km) upstream from Silver Creek and at mile 190.8 (307.0 km).

DRAINAGE AREA.--4,993 mi² (12,930 km²).

PERIOD OF RECORD.--October 1938 to current year. Daily mean gage heights published since January 1972. Gage height records collected in vicinity since 1924, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1939, 1949.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft (48.360 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 6,603 ft³/s (187 m³/s), 17.96 in/yr (456 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft³/s (3,460 m³/s) Apr. 20, 1979, gage height, 34.08 ft (10.388 m); minimum, 269 ft³/s (7.62 m³/s) Oct. 24, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft (10 m), from reports of National Weather Service, discharge, about 100,000 ft³/s (2,830 m³/s), from rating curve extended above 70,000 ft³/s (1,980 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,000 ft³/s (765 m³/s) Feb. 18, gage height, 22.15 ft (6.751 m); minimum, 537 ft³/s (15.2 m³/s) Oct. 7-8, Nov. 18-20; minimum gage height, 4.90 ft (1.494 m), Sept. 26-27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	584	901	756	7100	9840	12700	9810	16200	784	1790	5070	877
2	576	712	886	7950	10300	11900	8040	15300	769	2290	9220	1070
3	564	649	1110	6320	15100	10800	6570	14400	774	1990	12100	1150
4	556	616	964	7420	15800	9880	5590	12000	759	1320	11700	959
5	552	600	857	7700	13600	9080	4940	8320	735	975	11400	845
6	549	592	770	6540	11400	8230	4230	5100	716	937	10200	789
7	541	563	704	5600	10400	9480	3770	3410	706	942	3990	735
8	552	552	691	6210	9410	12100	4140	2450	711	953	7470	701
9	550	556	655	7370	8820	12500	4290	2260	687	1430	5970	673
10	730	552	649	7010	8930	12100	4430	2260	664	1550	4930	664
11	1920	545	640	5770	8140	11100	4980	2300	659	1020	4440	659
12	1610	549	695	4900	6830	10000	5000	2280	669	987	4620	701
13	925	549	839	4270	5820	8790	4430	1720	730	959	4230	692
14	721	549	1500	3980	5780	7900	3800	1510	953	1110	3040	964
15	644	541	3190	3900	5870	7170	2930	1630	1070	1190	2300	1070
16	612	541	3310	4250	16400	6910	2460	1560	898	1070	1690	799
17	596	565	2730	5640	25400	6150	2500	1660	931	1230	1470	673
18	584	541	2410	6050	26700	4790	3230	1410	2070	1790	2110	641
19	580	545	2030	6280	25400	4270	3380	1260	1650	1490	2850	632
20	576	541	1810	6300	23600	4070	3500	1200	1130	1350	2450	637
21	538	588	1540	6210	21100	4460	13400	1050	893	2040	2140	641
22	596	616	1470	5670	13500	6530	19800	926	840	1920	1900	610
23	620	624	1470	6090	16000	10500	19600	909	872	1350	1720	606
24	640	624	1470	10500	14100	12500	19900	975	1180	1410	1620	610
25	699	623	1420	12000	11900	13700	19000	1210	931	1610	1370	615
26	1820	636	1430	11900	9410	14600	19700	1180	856	1680	1030	597
27	3550	649	1620	11800	10900	14400	20000	953	1630	1330	893	610
28	2690	649	1650	11400	13100	13700	19500	882	2190	1490	835	632
29	1790	644	1450	10900	---	12300	18700	855	1750	1130	804	623
30	1250	599	1250	10200	---	9740	17600	825	1590	1850	799	623
31	949	---	1780	9740	---	9290	---	794	---	2950	872	---
TOTAL	29434	18001	43816	227370	378640	301790	277120	108870	30847	45633	130353	22108
MEAN	949	600	1413	7335	13520	9742	9237	3512	1028	1472	4205	737
MAX	3550	901	3310	12000	26700	14600	20000	16200	2190	2950	12100	1150
MIN	541	541	640	3900	5780	4070	2460	794	659	937	799	597
CFSM	.19	.12	.28	1.47	2.71	1.95	1.85	.70	.21	.30	.84	.15
IN.	.22	.13	.33	1.69	2.82	2.25	2.06	.81	.23	.34	.97	.16

CAL YR 1981 TOTAL 1157852 MEAN 3172 MAX 21200 MIN 541 CFSM .64 IN 8.63
WTR YR 1982 TOTAL 1614132 MEAN 4422 MAX 26700 MIN 541 CFSM .89 IN 12.03

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.06	5.57	5.56	12.49	14.00	15.75	13.99	17.60	5.66	7.05	10.45	5.54
2	5.04	5.37	5.79	13.17	14.50	15.24	12.77	17.17	5.62	7.63	13.55	5.87
3	5.01	5.22	6.19	12.32	17.03	14.63	11.68	16.68	5.62	7.30	15.38	6.01
4	4.99	5.14	5.91	12.80	17.42	14.03	10.90	15.30	5.59	6.38	15.14	5.69
5	4.98	5.10	5.69	13.04	16.21	13.50	10.33	12.96	5.53	5.83	14.94	5.48
6	4.97	5.08	5.50	12.15	14.96	12.95	9.68	10.47	5.48	5.75	14.25	5.37
7	4.95	5.02	5.35	11.39	14.36	13.75	9.23	8.96	5.46	5.76	13.44	5.26
8	4.98	4.98	5.32	11.92	13.72	15.37	9.59	8.02	5.46	5.77	12.36	5.19
9	5.05	4.99	5.26	12.30	13.32	15.64	9.74	7.89	5.40	6.50	11.20	5.13
10	5.39	4.98	5.22	12.03	13.43	15.39	9.87	7.97	5.35	6.63	10.36	5.11
11	7.48	4.96	5.20	11.04	12.38	14.75	10.28	8.02	5.33	5.83	9.98	5.10
12	7.00	4.97	5.32	10.21	11.39	14.13	10.39	7.99	5.33	5.82	10.11	5.19
13	5.32	4.97	5.65	9.72	11.09	13.44	9.87	7.25	5.46	5.76	9.67	5.17
14	5.39	4.97	6.83	9.44	11.06	12.69	9.26	6.97	5.88	6.02	8.45	5.63
15	5.21	4.95	8.99	9.36	11.13	12.15	8.33	7.13	6.09	6.14	7.58	5.89
16	5.13	4.95	9.12	9.69	17.36	11.83	7.78	7.17	5.77	5.95	6.79	5.38
17	5.09	4.96	8.50	10.94	21.63	11.36	7.82	7.16	5.91	6.20	6.49	5.14
18	5.06	4.95	8.12	11.28	22.07	10.33	8.65	6.77	7.47	6.98	7.31	5.06
19	5.05	4.96	7.65	11.46	21.63	9.72	8.82	6.57	6.91	6.56	8.23	5.04
20	5.04	4.95	7.34	11.44	20.96	9.53	8.92	6.47	6.15	6.35	7.77	5.05
21	5.07	5.03	7.00	11.41	20.10	9.89	15.97	6.19	5.74	7.28	7.38	5.06
22	5.09	5.17	6.82	10.97	18.73	11.62	18.88	6.00	5.63	7.12	7.07	4.99
23	5.14	5.20	6.31	11.29	17.50	14.33	19.26	5.95	5.69	6.34	6.83	4.98
24	5.20	5.22	6.63	14.44	15.50	15.60	18.95	6.07	6.21	6.42	6.70	4.99
25	5.34	5.24	6.74	15.30	15.26	16.30	18.97	5.65	5.78	6.71	6.34	5.00
26	7.17	5.27	6.76	15.23	13.72	16.76	19.33	6.40	5.65	6.80	5.81	4.96
27	9.34	5.32	7.06	15.20	14.65	16.67	19.44	6.01	5.81	6.97	5.57	4.99
28	8.21	5.33	7.10	14.94	15.97	16.29	19.23	5.88	7.58	6.52	5.46	5.04
29	7.18	5.34	6.30	14.63	---	15.49	18.93	5.82	7.01	5.98	5.40	5.03
30	6.47	5.49	6.47	14.25	---	13.94	18.29	5.75	6.79	6.97	5.39	5.02
31	5.99	---	7.18	13.93	---	13.64	---	5.63	---	8.34	5.53	---
MEAN	5.70	5.12	6.58	12.26	15.92	13.77	12.84	8.41	5.95	6.51	9.06	5.25
MAX	9.34	5.57	9.12	15.30	22.07	16.76	19.44	17.60	7.58	8.34	15.38	6.01
MIN	4.95	4.95	5.20	9.36	11.06	9.53	7.78	5.63	5.33	5.75	5.39	4.96

CAL YR 1981 MEAN 8.04 MAX 21.20 MIN 4.95
WTR YR 1982 MEAN 8.93 MAX 22.07 MIN 4.95

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in SW¼ sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on State Highway 43, 1.2 mi (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 mi (3.7 km) north of Oak Vale, and 3.7 mi (6.0 km) upstream from mouth.

DRAINAGE AREA.--130 mi² (337 km²).

PERIOD OF RECORD.--September 1965 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft (55.535 m), Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--17 years, 197 ft³/s (5.579 m³/s), 20.58 in/yr (523 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft³/s (719 m³/s) Apr. 13, 1974, gage height, 18.76 ft (5.718 m); minimum, 59 ft³/s (1.67 m³/s) Sept. 12-16, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (5.215 m) from floodmark, discharge, 15,900 ft³/s (450 m³/s). Maximum stage known since at least 1879, 20½ ft (6¼ m) in April 1900, and flood in January 1925 reached a stage of 17.3 ft (5.27 m) from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 1,860 ft³/s (52.7 m³/s) Feb. 17; gage height, 7.38 ft (2.249 m), no peak above base of 2,500 ft³/s (70.8 m³/s); minimum 83 ft³/s (2.35 m³/s) all or parts of Oct. 19-22, gage height, 3.66 ft (1.116 m) all or parts of Oct. 19-22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	88	146	274	163	217	412	179	89	91	140	89
2	93	88	132	165	331	196	236	159	89	91	214	91
3	93	89	113	214	768	181	199	169	89	87	149	89
4	93	88	107	260	444	171	174	169	89	91	121	87
5	93	88	105	197	249	165	164	133	89	96	107	87
6	93	88	104	156	211	186	159	179	89	91	102	85
7	92	88	104	268	174	336	156	230	89	91	130	85
8	92	89	102	265	185	256	149	228	89	93	125	87
9	93	88	100	190	206	209	142	169	93	107	118	89
10	95	93	100	156	246	191	142	142	93	107	130	89
11	97	92	100	138	236	181	137	135	93	96	130	93
12	92	90	107	140	231	174	135	130	93	91	137	95
13	92	90	126	185	263	169	130	125	96	102	116	96
14	90	88	236	206	214	166	130	121	98	91	102	96
15	88	88	260	180	231	161	130	113	96	85	102	91
16	88	90	144	180	1310	157	133	113	98	97	112	95
17	87	88	122	163	1450	154	135	114	102	105	102	96
18	87	88	116	148	520	149	140	109	105	107	100	91
19	85	90	109	144	326	147	130	91	100	98	98	91
20	85	90	109	144	247	145	176	105	96	102	96	89
21	83	90	109	142	222	142	405	105	93	247	93	89
22	83	90	111	138	204	140	371	100	100	171	96	89
23	87	90	142	152	186	137	225	100	100	135	96	89
24	90	90	148	174	174	145	189	100	100	118	93	89
25	90	90	150	156	164	149	191	121	107	107	91	87
26	92	93	142	142	171	145	196	114	100	105	89	87
27	92	97	124	136	346	137	174	102	107	100	87	91
28	88	102	120	132	290	135	157	96	125	99	97	89
29	87	104	114	132	---	135	147	96	121	96	87	87
30	87	122	113	132	---	135	184	91	107	93	89	87
31	87	---	178	150	---	375	---	91	---	100	91	---
TOTAL	2737	2747	3991	5351	9748	5485	5546	4039	2935	3279	3430	2701
MEAN	88.3	91.6	129	173	348	177	185	130	97.8	106	111	90.0
MAX	97	122	260	274	1450	375	412	230	125	247	214	96
MIN	83	88	100	132	163	135	130	91	89	85	87	85
CFSM	.68	.71	.99	1.33	2.68	1.36	1.42	1.00	.75	.82	.85	.69
IN.	.78	.79	1.14	1.53	2.79	1.57	1.59	1.16	.84	.94	.98	.77

CAL YR 1981 TOTAL 51046 MEAN 167 MAX 2840 MIN 83 CFSM 1.29 IN 17.47
WTR YR 1982 TOTAL 52039 MEAN 143 MAX 1450 MIN 83 CFSM 1.10 IN 14.89

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°14'14", long 89°50'54", in E½ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on downstream side of bridge on U.S. Highway 98, 1.5 mi (2.4 km) southwest of Columbia, 2.0 mi (3.2 km) downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi (3.5 km) upstream from Silver Creek and at mile 137.8 (221.7 km).

DRAINAGE AREA.--5,720 mi² (14,815 km²).

PERIOD OF RECORD.--August 1928 to September 1954 (monthly discharge only for January to July 1930, published in WSP 1304). January 1972 to current year (gage heights only). Gage height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 115.81 ft (35.299 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to August 1928, nonrecording gages at various sites and datums in the vicinity maintained by National Weather Service. August 1928 to May 26, 1934, nonrecording gage at site 1.0 mi (1.6 km) downstream at datum 0.37 ft (0.113 m) higher. May 26, 1934, to September 1954, water-stage recorder at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--26 years (1928-54), 7,384 ft³/s (209 m³/s), 17.62 in/yr (448 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--1928-1954: Maximum discharge, 72,600 ft³/s (2,060 m³/s) Apr. 9, 1938, gage height, 26.40 ft (8.047 m); minimum, 705 ft³/s (20.0 m³/s) Oct. 21, 1952, gage height 0.81 ft (0.247 m). 1904 to current year: Maximum observed gage height, 27.8 ft (8.47 m) Apr. 22, 1979.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of about 31 ft (9.4 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 18.0 ft (5.49 m) Feb. 19, minimum observed, 2.0 ft (0.61 m) Sept. 28-30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.60	3.60	3.30	5.50	10.70	13.20	10.90	14.20	2.70	4.00	5.30	2.70
2	2.60	3.30	3.70	9.00	13.80	13.00	11.10	13.60	2.60	3.80	7.50	2.70
3	2.50	3.00	3.20	11.20	13.70	12.50	9.90	13.20	2.60	4.20	10.50	2.70
4	2.50	2.90	3.40	10.50	13.30	12.10	9.40	12.80	2.60	4.50	11.60	3.00
5	2.50	2.80	3.40	10.00	13.90	11.60	8.20	12.00	2.50	3.70	11.30	2.80
6	2.50	2.70	3.10	10.10	11.00	11.20	7.60	10.20	2.50	3.20	11.10	2.60
7	2.50	2.60	3.00	9.50	11.90	11.50	7.00	9.00	2.40	2.90	10.90	2.50
8	2.50	2.60	2.90	10.00	11.30	11.70	6.50	7.50	2.40	2.80	10.20	2.40
9	2.50	2.60	2.70	9.50	10.90	12.50	6.70	6.40	2.50	3.00	9.30	2.40
10	2.60	2.60	2.70	9.60	10.50	12.80	6.90	5.60	2.50	3.20	8.40	2.30
11	3.70	2.60	2.70	9.20	10.60	12.70	6.90	5.30	2.50	3.60	7.70	2.30
12	3.30	2.60	2.80	8.40	10.20	12.20	7.10	5.20	2.60	3.30	7.20	2.40
13	4.70	2.50	3.10	8.00	10.00	11.70	7.40	5.30	2.60	3.10	7.30	2.40
14	3.70	2.50	3.60	7.80	9.00	11.10	6.90	4.70	2.50	3.10	6.90	2.50
15	3.00	2.50	5.20	7.30	8.70	10.50	6.50	4.20	2.50	3.00	5.90	2.40
16	2.80	2.50	6.20	7.20	10.00	10.00	5.70	4.20	3.10	3.20	5.10	3.00
17	2.70	2.50	6.50	7.10	15.60	9.70	5.10	4.20	3.10	3.20	4.60	2.70
18	2.70	2.50	5.90	8.20	17.60	8.40	5.10	4.30	2.80	3.10	3.90	2.40
19	2.60	2.60	5.50	8.50	18.00	7.60	5.60	4.00	3.80	3.80	4.10	2.30
20	2.60	2.60	5.10	8.70	17.80	7.00	5.80	3.60	4.10	3.90	5.10	2.30
21	2.50	2.50	4.70	8.70	17.40	6.70	9.50	3.50	3.40	3.50	5.30	2.20
22	2.50	2.50	4.50	8.60	15.70	6.80	12.40	3.30	3.00	4.60	4.50	2.20
23	2.50	2.50	4.40	8.60	15.30	8.00	14.00	3.30	2.70	4.70	4.20	2.10
24	2.60	2.70	4.40	8.20	14.60	10.30	14.40	3.20	2.70	4.00	4.00	2.10
25	2.70	2.70	4.90	10.80	13.70	11.60	14.40	3.10	3.00	3.30	3.30	2.10
26	3.20	2.70	4.70	11.50	12.80	12.10	14.30	3.60	3.00	3.30	3.60	2.10
27	3.40	2.80	4.40	11.60	11.90	12.50	14.70	3.70	3.30	3.60	3.20	2.20
28	6.30	2.80	4.40	11.60	12.40	12.60	14.70	3.20	3.50	4.00	3.00	2.00
29	5.80	2.80	4.60	11.50	---	12.20	14.40	3.00	5.00	3.70	2.70	2.00
30	4.30	3.00	4.40	11.30	---	11.70	14.40	2.90	4.20	3.30	2.60	2.00
31	4.70	---	4.20	10.90	---	10.80	---	2.80	---	3.50	2.60	---
MEAN	3.15	2.70	4.12	9.31	12.94	10.91	9.39	5.94	2.96	3.55	6.22	2.39
MAX	6.30	3.60	6.50	11.60	18.00	13.20	14.70	14.20	5.00	4.70	11.60	3.00
MIN	2.50	2.50	2.70	5.50	8.70	6.70	5.10	2.80	2.40	2.80	2.60	2.00

CAL YR 1981 MEAN 5.79 MAX 16.20 MIN 2.50
WTR YR 1982 MEAN 6.09 MAX 18.00 MIN 2.00

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02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89"49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi (3.2 km) east of Bogalusa, and 2.0 mi (3.2 km) upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi² (17,024 km²).

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--44 years, 9,599 ft³/s (271.8 m³/s), 19.83 in/yr (504 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft³/s (3,650 m³/s) Apr. 24, 1979, gage height, 23.23 ft (7.081 m); minimum, 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34,400 ft³/s (974 m³/s) Feb. 21, gage height, 19.31 ft (5.886 m); minimum, 1,440 ft³/s (40.8 m³/s) Oct. 22, 23, 24; gage height, 6.69 ft (2.039 m) Aug. 29, from graph based on gage readings.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1550	2390	1870	3710	12300	14600	17800	21900	2510	3610	3290	2290
2	1600	2120	2290	4410	13800	15200	15400	21900	2430	3200	4560	2240
3	1610	1930	2420	7890	18900	14900	13600	20400	2370	3010	7940	2190
4	1620	1830	2140	12000	21400	14100	11200	18500	2320	3150	11600	2180
5	1610	1800	2070	11500	21100	13100	9170	17500	2290	3260	12700	2240
6	1610	1880	2110	10700	19800	12300	7770	15500	2250	2970	12700	2230
7	1630	1760	2050	10300	17600	12600	6840	12000	2210	2610	12500	2170
8	1600	1600	2000	11300	15200	13700	6010	9010	2170	2400	12100	2080
9	1640	1530	1940	12100	13900	13500	5460	7860	2140	2360	11100	1920
10	1670	1490	1910	10700	13700	14000	5460	6380	2110	2680	8850	1890
11	1690	1480	1890	9780	13200	14400	5600	5190	2090	3070	8470	1920
12	1810	1550	1930	9030	12700	14100	5650	4780	2080	3230	7760	2090
13	2390	1540	2130	9050	13000	13200	5900	4590	2170	2830	7430	2260
14	2330	1520	2690	9460	12500	12200	6000	4460	2170	2610	7310	2240
15	1960	1510	3430	8670	10500	11100	5760	4050	2120	2560	6590	2150
16	1910	1500	4190	7380	11200	9960	7380	3590	2150	2480	5730	2060
17	1710	1490	4510	6680	16000	9110	6420	3560	2310	2470	5300	2150
18	1610	1490	4630	6560	22200	8570	6240	3520	2370	2490	5100	2130
19	1540	1500	4230	7250	26400	7320	4540	3490	2270	2500	4160	1970
20	1490	1500	3930	7700	31700	6840	4520	3360	2590	2580	3840	1870
21	1460	1480	3630	7910	33200	6000	4740	3150	3070	2700	4170	1820
22	1650	1470	3490	7920	33000	5640	12300	19400	3100	2880	4170	1790
23	1440	1480	3260	7840	31200	5760	16700	3060	3360	3100	3870	1780
24	1460	1500	3210	7570	27600	7520	19200	3010	2770	3270	3510	1790
25	1650	1550	3600	8330	22200	10700	21100	2860	2370	3060	3250	1730
26	1560	1590	4390	11200	19400	12700	22200	2850	2400	2810	3080	1750
27	1720	1610	4020	12600	16100	13900	22200	3060	2750	3000	2920	1710
28	2550	1620	3530	13000	14700	14700	22200	2990	3300	2970	2680	1700
29	3350	1630	3410	13100	---	15000	22400	2920	3740	2940	2650	1690
30	3160	1630	3490	12900	---	14700	22300	2720	4060	2890	2290	1670
31	2720	---	3460	12600	---	17700	---	2600	---	2950	2330	---
TOTAL	56690	48970	93890	291460	535300	369620	344060	240560	76040	88940	193740	59700
MEAN	1828	1632	3029	9401	19120	11920	11470	7760	2535	2869	6250	1990
MAX	3350	2390	4630	13100	33200	17700	22400	21900	4060	3610	12700	2290
MIN	1440	1470	1870	3710	10500	5640	4520	2600	2090	2360	2270	1670
CFSM	.28	.25	.46	1.43	2.91	1.81	1.75	1.18	.39	.44	.95	.30
IN.	.32	.28	.53	1.65	3.03	2.09	1.95	1.36	.43	.50	1.10	.34

CAL YR 1981 TOTAL 1945160 MEAN 5355 MAX 27800 MIN 1440 CFSM .77 IN 10.44
WTR YR 1982 TOTAL 2398960 MEAN 6572 MAX 33200 MIN 1440 CFSM 1.00 IN 13.58

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ sec.34, T.3 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mi (0.3 km) upstream from Bars Branch, 2.2 mi (3.5 km) downstream from Topisaw Creek, and 9.2 mi (14.8 km) northwest of Tylertown.

DRAINAGE AREA.--492 mi² (1,270 km²).

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1504: 1945(P), 1946(M), 1947-51, 1953. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 789 ft³/s (22.34 m³/s), 21.78 in/yr (553 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950, gage height, 33.50 ft (10.211 m); minimum, 175 ft³/s (4.96 m³/s) Oct. 31, 1963; minimum gage height, 5.93 ft (1.808 m), Sept. 30, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mi (0.3 km) downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,300 ft³/s (263 m³/s) Feb. 17, gage height, 17.52 ft (5.340 m), only peak above base of 6,000 ft³/s (170 m³/s); minimum, 208 ft³/s (5.89 m³/s) Sept. 30, gage height, 5.93 ft (1.808 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	230	237	308	702	365	1190	2510	477	278	337	671	253
2	237	237	295	579	586	783	1930	461	273	298	1400	239
3	228	237	290	458	2010	652	1170	487	273	275	1440	233
4	226	239	270	427	2140	579	679	458	270	265	683	228
5	224	239	258	385	1600	534	554	409	268	261	436	224
6	224	237	256	374	807	671	484	379	263	261	354	221
7	226	235	256	436	600	1190	439	1040	261	275	523	219
8	224	235	256	1310	517	1110	412	989	258	388	537	219
9	226	242	256	1220	565	833	394	503	256	305	458	217
10	239	246	253	590	898	648	382	418	253	288	461	221
11	239	242	253	442	854	565	365	379	253	295	421	224
12	233	239	278	397	746	517	354	359	263	298	461	230
13	230	242	300	471	984	484	348	345	258	293	660	230
14	228	242	427	590	774	458	343	337	263	308	497	228
15	226	242	572	579	675	436	340	332	268	343	359	224
16	226	242	497	536	5160	418	363	326	263	288	359	221
17	228	242	368	523	8370	403	385	321	268	283	335	219
18	228	242	326	477	6320	391	415	313	265	321	324	219
19	221	244	300	418	3830	379	391	308	268	324	303	217
20	219	242	290	383	1520	371	558	305	261	285	298	217
21	221	242	288	368	965	362	4210	300	265	293	293	215
22	221	242	288	354	778	354	4530	316	270	500	278	215
23	226	244	308	351	660	349	2720	326	265	412	265	221
24	244	246	308	365	586	354	1580	300	273	318	258	215
25	256	246	335	430	537	356	902	305	275	280	263	215
26	265	249	363	382	527	345	1000	362	283	318	253	213
27	275	249	337	343	1090	335	911	365	371	303	246	211
28	261	249	316	326	1650	329	619	313	354	270	242	211
29	246	253	300	321	---	326	510	295	332	298	237	211
30	239	275	290	316	---	326	461	288	337	474	246	211
31	237	---	439	326	---	3630	---	283	---	443	249	---
TOTAL	7253	7293	9859	15182	46114	19675	30239	12399	8308	9905	13810	6641
MEAN	234	243	318	490	1647	635	1008	400	277	320	445	221
MAX	275	275	572	1310	8370	3630	4530	1040	371	500	1440	253
MIN	219	235	253	316	365	326	340	283	253	261	237	211
CFSM	.48	.49	.65	1.00	3.35	1.29	2.05	.81	.56	.65	.90	.45
IN.	.55	.55	.75	1.15	3.49	1.49	2.29	.94	.63	.75	1.04	.50

CAL YR 1981 TOTAL 161595 MEAN 444 MAX 3460 MIN 219 CFSM .90 IN 12.24
WTR YR 1982 TOTAL 136633 MEAN 511 MAX 8370 MIN 211 CFSM 1.04 IN 14.12

TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec.14, T.3 S., R.11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft (41.8 m) upstream from Southern Railway bridge, 700 ft (213 m) upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi (1.8 km) south of Florence Post Office, 1.7 mi (2.7 km) upstream from Cypress Creek, 2.7 mi (4.3 km) downstream from Wilson Dam, and at mile 256.7 (413.0 km).

DRAINAGE AREA.--30,810 mi², approximately, (79,798 km²).

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft (122.261 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft (41.8 m) downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft (427 m) upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi (24.5 km) downstream.

REMARKS.--Records good except those below 25,000 ft³/s (708 m³/s), which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

AVERAGE DISCHARGE.--88 years, 51,800 ft³/s (1,467 m³/s), 22.83 in/yr (580 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 530,000 ft³/s (1,500 m³/s) Mar. 17, 1973 (gage height, 30.03 ft (9.153 m); maximum gage height, 32.5 ft (9.91 m) Mar. 19, 1897; minimum daily, 105 ft³/s (2.97 m³/s) Sept. 7, 1969 (computed on basis of Wilson Dam records); minimum gage height, -0.30 ft (-0.914 m) Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft (9.48 m), from National Weather Service records, discharge, 421,000 ft³/s (1,190 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 234,000 ft³/s (6,630 m³/s) Jan. 5, gage height, 20.06 ft (6.114 m) Jan. 5; minimum daily, 13,800 ft³/s (391 m³/s) Nov. 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24000	19500	72300	70900	78500	90900	33400	31700	30700	30000	45500	36700
2	24900	21500	76700	75000	78400	103000	37800	31000	32300	31600	45700	38600
3	25100	20100	73100	103000	93700	105000	41700	35500	14900	30700	48400	50000
4	21500	16100	72900	149000	108000	83700	31000	26500	33200	34200	50500	50600
5	28600	18500	62600	212000	115000	64300	34000	26400	30700	28900	52500	49900
6	23500	16200	65800	220000	125000	59600	43600	27500	31600	27300	46500	33100
7	22100	16700	48600	203000	129000	60000	45200	27600	30400	32200	35500	33500
8	22100	15600	44100	178000	131000	77000	40400	25500	35800	36000	37800	35500
9	24300	15500	41800	157000	129000	85000	37000	26700	32000	36500	47400	33400
10	26700	14900	41900	127000	123000	89400	28800	26400	28300	36600	52600	38300
11	25300	14300	42500	110000	125000	93600	32200	26000	26500	37600	57400	44300
12	25600	15300	36500	86900	125000	92100	30500	35100	29300	36500	61400	31700
13	26100	16100	40100	93900	125000	77600	29500	27400	29500	43600	64100	38000
14	25900	14400	35500	87100	120000	75800	30000	19300	30900	38700	46100	41300
15	23200	13800	44300	70000	119000	88400	27600	27300	35400	41400	43600	44700
16	25500	13800	47900	63900	123000	107000	31900	20100	29100	37400	45200	39200
17	25700	17100	50300	87500	139000	106000	47500	25200	26900	31500	55300	31900
18	31000	26100	61600	57900	150000	111000	77400	25000	27600	39400	51600	32000
19	20600	26700	49300	55700	146000	115000	74400	26900	29200	36300	58000	30300
20	21300	27000	35600	64300	145000	99000	57600	26300	34300	37900	56200	44500
21	25600	27200	38500	92200	136000	89800	40300	29700	29700	35800	56900	32400
22	19800	26100	33500	118000	117000	80700	49200	27900	21600	40100	39100	32400
23	25800	37700	42500	172000	105000	75300	29100	29500	17400	39400	47700	33700
24	20600	28300	38400	173000	92800	68500	31500	20100	29600	40200	48300	33100
25	19800	25300	41600	167000	77700	70500	29100	18700	33900	37100	43900	29900
26	20900	27300	39300	159000	74600	55400	33700	20400	33700	34700	41900	32200
27	25300	27600	43000	155000	78700	43900	39200	16600	30000	37300	29500	39700
28	21100	37400	56400	144000	91100	30700	35400	31700	27300	36700	29600	41600
29	20800	46200	58100	135000	---	44100	37800	35100	27900	38400	34500	43200
30	19700	54500	57500	124000	---	42600	30800	31400	35300	40000	37200	39100
31	19700	---	56500	95200	---	38000	---	32700	---	52200	40500	---
TOTAL	733900	695600	1525500	3814800	3208300	2423400	1167600	837200	885000	1136700	1455400	1135600
MEAN	23670	23190	49210	123100	114600	78170	38920	27010	29500	36670	46950	37850
MAX	31000	54500	76700	220000	150000	115000	77400	35500	35800	52200	64100	50600
MIN	19700	13800	33500	55700	74600	30700	27600	16600	14900	27300	29500	29900
CFSM	.77	.75	1.60	4.00	3.72	2.54	1.26	.88	.96	1.19	1.52	1.23
IN.	.89	.84	1.84	4.61	3.87	2.93	1.41	1.01	1.07	1.37	1.76	1.37

CAL YR 1981 TOTAL 11644100 MEAN 31900 MAX 76700 MIN 6200 CFSM 1.04 IN 14.06
WTR YR 1982 TOTAL 19019300 MEAN 52110 MAX 220000 MIN 13800 CFSM 1.69 IN 22.96

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'01", long 88°17'08", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, near left bank at bridge on county road 0.2 mi (0.3 km) northeast of Walkers Siding and 2.0 mi (3.2 km) east of Burnsville.

DRAINAGE AREA.--24.7 mi² (64.0 km²), Tennessee Valley Authority.

PERIOD OF RECORD.--May 1973 to current year.

REVISED RECORDS.--WDR MS-78-1: 1973(M), 1976(M).

GAGE.--Water-stage recorder. Datum of gage is 429.51 ft (131.915 m) Mississippi Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 44.3 ft³/s (1.255 m³/s), 24.36 in/yr (619 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,310 ft³/s (93.7 m³/s) May 8, 1978, gage height, 19.19 ft (5.849 m); minimum, 2.8 ft³/s (0.079 m³/s) Aug. 25, 1977, gage height, 6.04 ft (1.841 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft³/s (90.1 m³/s), gage height, 19.12 ft (5.828 m) was measured Mar. 16, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 552 ft³/s (15.6 m³/s) Mar. 21, gage height, 15.53 ft (4.734 m), no peak above base of 700 ft³/s (19.8 m³/s); minimum, 3.2 ft³/s (0.091 m³/s) Aug. 5; gage height, 6.41 ft (1.954 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	7.8	106	13	58	36	55	33	20	20	6.0	4.3
2	5.4	7.9	25	36	41	30	255	23	10	26	4.9	6.5
3	5.1	7.8	15	689	74	27	287	19	9.6	7.9	4.7	7.1
4	4.8	8.4	12	302	49	25	82	15	12	22	4.4	4.7
5	4.9	9.0	11	61	37	39	164	13	13	14	4.1	3.9
6	4.9	8.3	10	42	41	41	95	12	9.0	8.2	13	3.8
7	4.9	7.8	11	31	30	41	59	83	7.5	6.7	8.4	3.5
8	4.6	7.6	10	23	31	26	106	69	7.0	6.0	11	3.5
9	5.1	7.9	9.1	21	159	26	77	28	6.6	5.5	18	3.3
10	6.6	7.9	9.4	20	56	22	52	20	7.8	7.0	11	3.3
11	6.2	7.9	9.8	19	48	22	43	17	7.1	8.8	30	3.5
12	6.0	9.2	9.8	18	40	20	36	14	6.6	7.2	9.8	5.1
13	5.9	9.0	9.3	17	32	20	32	13	6.8	5.9	6.7	7.8
14	6.1	8.7	16	17	28	36	31	11	6.8	5.4	6.1	5.2
15	7.2	8.4	12	16	27	143	26	11	6.0	5.2	5.9	4.7
16	6.6	11	11	20	67	65	219	11	7.0	4.9	5.6	15
17	6.6	10	12	35	247	84	376	10	7.8	4.8	5.5	24
18	74	8.7	12	25	72	64	152	9.0	6.6	4.6	5.1	6.5
19	13	9.4	9.8	29	50	45	143	8.5	6.0	4.6	4.6	5.1
20	8.1	9.4	8.7	53	41	35	116	20	6.0	5.0	4.3	4.3
21	7.1	9.8	23	420	34	319	72	20	5.8	5.0	4.0	4.5
22	7.6	9.5	35	95	27	96	53	11	5.5	4.6	4.0	4.1
23	17	10	37	530	24	58	41	10	5.2	4.9	4.1	4.0
24	11	13	17	93	22	45	35	8.8	4.9	8.6	3.8	4.1
25	8.5	10	13	60	20	47	32	14	4.6	7.4	3.8	4.8
26	13	9.6	12	42	41	43	49	18	4.6	7.5	4.0	5.1
27	16	55	12	35	93	30	40	15	5.9	5.8	4.2	4.9
28	9.8	24	11	31	47	25	27	13	7.4	5.1	5.5	4.6
29	8.5	13	10	26	---	24	41	9.0	6.5	4.7	4.3	4.4
30	7.9	53	10	25	---	25	136	7.6	7.9	7.9	4.0	4.2
31	7.8	---	13	110	---	69	---	12	---	7.8	3.8	---
TOTAL	304.5	377.4	519.9	2950	1546	1622	2928	577.9	227.5	248.9	214.6	172.0
MEAN	9.82	12.6	16.8	95.2	55.2	52.3	97.6	18.6	7.58	8.03	6.92	5.73
MAX	74	55	106	689	247	319	376	83	20	26	30	24
MIN	4.3	7.6	8.7	13	20	20	26	7.6	4.6	4.6	3.8	3.3
CFSM	.40	.51	.68	3.85	2.24	2.12	3.95	.75	.31	.33	.28	.23
IN.	.46	.57	.78	4.44	2.33	2.44	4.41	.87	.34	.37	.32	.26

CAL YR 1981 TOTAL 6473.6 MEAN 17.7 MAX 308 MIN 3.8 CFSM .72 IN 9.75
WTR YR 1982 TOTAL 11689.6 MEAN 32.0 MAX 689 MIN 3.3 CFSM 1.30 IN 17.60

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03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

LOCATION.--Lat 34°54'51", long 88°14'48", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at northern end of Tennessee-Tombigbee Waterway, near bridge on State Highway 25, 0.9 mi (1.4 km) southeast of Cross Roads.

WATER-STAGE RECORDS

PERIOD OF RECORD.--December 1980 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft (121.92 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.81 ft (4.819 m) Apr. 20, 1982; minimum, 7.97 ft (2.429 m) Dec. 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.81 ft (4.819 m) Apr. 20; minimum, 7.97 ft (2.429 m) Dec. 17.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.06	9.82	9.24	9.25	9.00	9.53	11.97	13.93	14.11	14.00	12.98	12.44
2	10.94	9.76	9.01	8.95	8.95	9.42	12.17	13.96	14.15	14.14	12.49	12.77
3	10.83	9.72	9.02	9.56	9.19	9.82	12.67	14.13	13.95	13.50	12.10	12.66
4	10.88	9.73	8.96	10.65	9.35	9.78	13.25	13.85	13.57	13.21	12.50	12.32
5	11.07	9.63	9.34	11.81	9.58	9.79	13.06	13.94	13.46	13.17	12.85	12.06
6	10.97	9.53	9.35	13.50	9.09	9.71	13.23	13.90	13.37	13.26	13.02	12.06
7	10.83	9.45	9.23	14.23	8.66	9.82	13.73	13.83	13.41	13.41	13.21	12.24
8	10.72	9.49	9.26	14.46	8.65	9.36	13.97	13.91	13.59	13.34	12.85	12.54
9	10.68	9.47	9.21	14.26	9.47	9.28	14.05	13.79	13.76	13.63	12.59	12.65
10	10.71	9.45	9.09	13.39	10.00	9.19	13.97	13.81	13.87	13.36	13.08	12.37
11	10.47	9.46	8.93	12.79	9.96	9.19	13.92	13.79	13.64	13.25	12.93	12.10
12	10.89	9.51	8.48	11.97	9.97	9.34	14.04	13.81	13.29	13.07	13.32	12.17
13	10.69	9.62	8.28	10.93	9.93	9.47	13.88	13.82	13.02	12.83	13.26	12.17
14	10.57	9.63	8.21	10.04	9.83	9.17	13.94	13.75	12.98	13.00	13.34	12.63
15	10.41	9.72	8.25	9.66	9.39	9.12	13.86	13.91	13.30	12.83	12.80	12.82
16	10.52	9.62	8.22	9.95	9.26	9.94	13.88	13.87	13.41	13.21	12.50	12.63
17	10.32	9.67	8.42	10.12	9.62	10.29	14.15	13.83	13.46	13.06	12.39	12.70
18	10.53	9.77	8.61	10.07	10.33	10.15	15.01	13.69	13.31	12.55	12.34	12.54
19	10.60	9.66	8.67	9.36	10.78	10.28	15.65	13.70	13.72	12.67	12.74	12.41
20	10.42	9.40	8.33	9.10	10.92	10.28	15.51	13.95	13.93	12.89	12.49	12.45
21	10.24	9.39	8.75	9.73	10.91	10.54	14.63	14.01	13.67	13.04	12.03	12.56
22	10.17	9.42	8.65	10.10	10.31	10.79	14.35	13.96	13.54	13.11	12.00	12.66
23	10.09	9.34	8.76	11.81	9.69	10.69	14.41	14.11	13.62	13.44	11.37	12.75
24	10.05	9.30	8.91	12.93	9.46	10.33	14.09	13.98	13.63	13.15	12.07	12.82
25	9.98	9.34	9.00	12.96	9.62	10.07	13.79	13.68	13.73	13.02	12.25	12.61
26	10.02	9.35	9.07	12.61	9.44	10.53	13.77	13.67	13.37	12.74	12.66	12.21
27	9.99	9.38	9.14	12.17	9.52	10.63	13.67	13.63	13.54	12.62	12.91	12.03
28	10.02	9.45	9.38	11.46	9.49	10.94	13.71	13.63	13.35	13.02	12.71	12.05
29	9.95	9.62	9.26	10.47	---	10.93	13.96	13.79	13.67	13.15	12.35	12.07
30	9.95	9.40	9.45	9.63	---	11.12	13.99	13.77	13.66	13.01	12.03	12.11
31	9.87	---	9.37	8.83	---	11.63	---	14.02	---	12.72	12.15	---
MEAN	10.47	9.54	8.91	11.19	9.68	10.06	13.87	13.85	13.57	13.14	12.64	12.42
MAX	11.07	9.82	9.45	14.46	10.92	11.63	15.65	14.13	14.15	14.14	13.34	12.82
MIN	9.87	9.30	8.21	8.83	8.65	9.12	11.97	13.63	12.98	12.55	11.37	12.03

WTR YR 1982 MEAN 11.62 MAX 15.65 MIN 8.21

03592826 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1980 to September 1982.
pH: April 1980 to September 1982.
WATER TEMPERATURE: April 1980 to September 1982.
TURBIDITY: April 1980 to September 1982.
DISSOLVED OXYGEN: April 1980 to September 1982.

INSTRUMENTATION.--Water-quality monitor since April 1980. Automatic pumping sediment sampler since October 1980.

REMARKS.--Water-quality monitor intake at south bank of canal 400 ft (120 m) east of bridge. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 143 micromhos June 27, 1981; minimum, 34 micromhos Apr. 1, 1980.
pH: Maximum, 8.5 units June 27, 1981; minimum, 5.4 units Apr. 15-16, 1980.
WATER TEMPERATURE: Maximum, 33.5 C July 14, 1981; minimum, 2.5 C Jan. 17, 1981.
TURBIDITY: Maximum, 550 NTU June 17, Aug. 29, 1980; minimum, 10 NTU July 14, 1981.
DISSOLVED OXYGEN: Maximum, 13.5 mg/L Jan. 6, 1981; minimum, 2.0 mg/L July 18, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 70 mg/L Nov. 21, 1980, Feb. 9, 12, 1981; minimum daily mean, 2 mg/L Jan. 10, 1981.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 143 micromhos Aug. 2; minimum, 38 micromhos Jan. 7.
pH: Maximum, 7.6 units Nov. 21; minimum, 5.9 units Jan. 6.
WATER TEMPERATURE: Maximum, 33.0 C Aug. 2; minimum, 2.0 C Jan. 17-18.
TURBIDITY: Maximum, 550 NTU Jan. 22, 24; minimum, 7.6 NTU Aug. 17.
DISSOLVED OXYGEN: Maximum, 12.8 mg/L Jan. 21, Feb. 13; minimum, 4.0 mg/L Aug. 15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM
OCT 20...	1200	103	7.1	19.0	5	20	8.0	37	240	6.5	0
JAN 19...	1300	52	6.3	3.0	140	95	12.1	<10	<50	1.8	0
APR 07...	1530	62	6.8	13.0	90	50	10.1	31	490	1.8	0
JUL 14...	1100	110	7.1	28.5	5	5.1	4.5	<10	K5	4.8	0

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)
OCT 20...	2.2	31	.2	11	85	.12	.06	<.010	--	.16	.22
JAN 19...	1.6	13	<.1	7.7	42	.06	.27	.060	.34	.40	.67
APR 07...	1.5	13	<.1	7.0	46	.06	.17	.100	.31	.41	.58
JUL 14...	1.3	42	.1	4.4	79	.11	.25	.100	.90	1.00	1.3

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	PHENOLS TOTAL (UG/L)
OCT 20...	.040	<.010	1200	910	290	180	120	62	.2	<1
JAN 19...	.090	--	6300	6100	180	320	70	250	.5	<1
APR 07...	.080	.040	3000	2700	350	230	0	230	.2	<1
JUL 14...	.160	<.010	390	340	54	170	100	68	23	1

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03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
OCT										
20...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.01	<.01	<.01
JAN										
19...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
APR										
07...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
JUL										
14...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	.01	<.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT									
20...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
JAN									
19...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
APR									
07...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
JUL									
14...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT									
20...	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.01	<.01
JAN									
19...	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.01	<.01
APR									
07...	<.01	<.01	<.10	<1	<.01	.12	<.01	<.01	<.01
JUL									
14...	<.01	<.01	<.10	<1	<.01	.01	<.01	<.01	<.01

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	118	115	116	93	90	92	71	53	65	73	71	72
2	117	116	116	92	90	91	73	71	72	74	70	72
3	118	115	116	93	90	91	75	72	73	---	---	---
4	118	116	117	92	90	91	75	73	74	---	---	---
5	121	116	118	93	91	92	76	73	74	---	---	---
6	121	116	118	92	90	91	74	71	73	41	39	40
7	119	117	118	92	90	91	75	70	72	41	38	40
8	119	117	118	93	90	92	74	71	73	41	39	40
9	119	116	117	93	91	92	74	72	74	41	39	40
10	119	117	118	92	91	92	80	73	75	43	39	40
11	119	116	117	93	91	92	76	73	75	42	39	40
12	117	115	116	93	90	91	75	73	74	42	39	40
13	117	113	115	93	91	92	75	73	74	43	41	42
14	115	113	114	94	91	92	75	70	72	46	42	44
15	115	113	114	93	91	92	72	68	70	48	44	46
16	116	113	114	92	90	91	69	67	68	50	46	48
17	115	111	113	91	89	90	69	67	68	51	49	50
18	112	101	107	90	89	90	68	65	67	55	50	52
19	104	102	103	91	88	90	71	67	68	54	50	52
20	103	100	102	90	88	89	73	68	70	51	50	51
21	104	101	102	92	88	90	74	70	72	66	51	59
22	104	101	102	90	87	88	74	69	72	65	52	59
23	100	94	97	89	87	87	70	68	69	52	41	46
24	97	88	92	87	85	87	70	67	68	48	45	46
25	95	89	92	87	86	86	69	67	68	45	41	43
26	93	91	92	88	85	86	67	66	66	41	40	41
27	93	90	91	86	77	81	68	65	67	42	41	41
28	93	91	91	80	78	79	69	66	68	43	41	42
29	93	92	92	81	79	80	69	66	68	43	41	42
30	93	92	92	80	67	77	74	67	70	44	42	43
31	93	91	92	---	---	---	74	71	73	47	43	45
MONTH	121	88	107	94	67	89	80	53	71	76	38	47

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	49	46	48	66	61	63	55	53	54	59	56	57
2	49	48	48	64	60	62	58	54	55	60	57	59
3	49	47	48	63	59	61	63	57	61	59	57	58
4	50	48	49	61	59	61	64	61	62	60	57	58
5	53	49	51	62	60	61	64	58	61	61	56	59
6	54	52	54	63	61	62	62	58	60	60	57	58
7	62	54	58	64	60	62	60	57	58	61	58	59
8	65	62	64	65	63	64	57	52	54	60	58	59
9	63	55	59	65	62	64	53	50	52	59	53	56
10	63	59	61	65	62	63	53	51	52	60	56	58
11	62	59	61	64	62	63	53	52	52	64	59	62
12	62	59	61	65	62	64	53	51	52	64	60	62
13	71	54	64	64	63	63	53	51	52	64	61	62
14	60	57	59	65	60	63	55	52	53	64	62	63
15	62	58	60	65	52	59	55	52	54	65	63	64
16	60	56	58	58	54	56	55	52	54	68	64	66
17	59	47	53	60	56	58	55	51	53	69	65	67
18	60	56	58	62	58	60	59	54	57	67	65	67
19	61	57	59	61	58	60	59	55	57	70	66	68
20	59	57	58	60	57	59	58	53	55	71	68	70
21	59	56	58	60	54	58	61	55	57	70	67	68
22	62	58	60	57	51	55	58	55	57	73	70	71
23	62	59	60	53	49	51	57	53	56	74	72	73
24	63	59	61	55	52	53	58	55	56	74	72	73
25	61	60	61	57	54	56	57	55	56	75	71	73
26	65	60	62	57	53	55	58	56	57	74	70	73
27	67	57	63	56	54	55	58	56	57	77	72	75
28	62	56	59	55	53	54	58	56	57	81	75	76
29	---	---	---	54	51	53	58	55	56	81	74	77
30	---	---	---	53	51	52	58	55	56	80	77	78
31	---	---	---	56	51	53	---	---	---	85	73	82
MONTH	71	46	58	66	49	59	64	50	56	85	53	66

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	88	80	83	104	100	103	129	120	123	125	121	123
2	89	81	85	104	101	103	143	118	123	124	123	123
3	83	81	82	104	102	103	142	121	125	124	120	122
4	85	81	83	107	102	103	128	122	125	121	118	120
5	86	80	83	105	102	104	128	124	127	121	118	120
6	83	79	81	104	99	102	---	---	---	123	119	121
7	84	81	83	105	101	103	---	---	---	123	120	121
8	88	83	86	107	103	105	---	---	---	123	121	122
9	91	88	89	106	103	104	---	---	---	124	119	121
10	92	88	90	107	105	106	119	117	118	122	121	122
11	---	---	---	108	106	107	119	115	117	123	121	122
12	---	---	---	112	106	109	117	113	115	123	121	122
13	---	---	---	109	102	105	115	109	113	128	121	122
14	---	---	---	107	104	105	114	105	109	130	123	127
15	---	---	---	107	104	106	112	108	110	129	127	128
16	93	91	92	109	105	108	113	110	111	127	123	125
17	92	90	91	111	108	109	114	111	112	123	117	120
18	94	89	92	112	108	109	115	112	113	125	120	122
19	96	92	94	113	109	111	114	112	113	124	120	122
20	95	93	94	113	109	111	119	114	116	122	120	121
21	---	---	---	113	110	111	119	115	117	122	119	120
22	---	---	---	---	---	---	120	117	118	122	116	119
23	95	92	94	---	---	---	119	117	118	125	118	121
24	96	92	94	---	---	---	120	117	118	122	119	120
25	99	94	97	---	---	---	122	120	121	122	120	121
26	99	96	97	---	---	---	123	120	121	121	120	120
27	100	95	98	---	---	---	124	121	123	121	119	120
28	102	98	100	---	---	---	124	122	123	121	118	119
29	103	99	101	---	---	---	124	121	123	123	118	121
30	105	100	101	---	---	---	124	120	122	123	120	122
31	---	---	---	---	---	---	123	120	121	---	---	---
MONTH	105	79	91	113	99	106	143	105	118	130	116	122
YEAR	143	33	82									

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.4	7.3	7.0	6.9	6.7	6.5	6.8	6.8	6.4	6.3	6.5	6.4
2	7.4	7.3	7.0	6.9	6.7	6.7	6.9	6.8	6.3	6.3	6.5	6.4
3	7.4	7.2	7.0	6.9	6.7	6.6	---	---	6.3	6.3	6.5	6.4
4	7.4	7.3	7.0	6.9	6.7	6.7	---	---	6.4	6.3	6.5	6.5
5	7.4	7.3	7.0	6.9	6.7	6.7	---	---	6.4	6.4	6.6	6.5
6	7.5	7.3	7.0	6.9	6.7	6.7	6.0	5.9	6.5	6.4	6.6	6.6
7	7.4	7.3	7.0	6.9	7.0	6.6	6.1	6.0	6.4	6.4	6.6	6.6
8	7.3	7.2	7.0	6.9	6.8	6.8	6.1	6.0	6.4	6.4	6.6	6.6
9	7.3	7.2	7.0	6.9	6.8	6.8	6.1	6.0	6.4	6.4	6.6	6.6
10	7.2	7.1	7.0	6.9	7.3	6.8	6.2	6.1	6.4	6.4	6.6	6.5
11	7.2	7.1	7.1	7.0	6.9	6.8	6.2	6.1	6.4	6.4	6.6	6.5
12	7.2	7.1	7.1	7.0	6.8	6.8	6.3	6.2	6.4	6.3	6.6	6.6
13	7.2	7.1	7.2	7.0	6.8	6.8	6.3	6.2	6.4	6.3	6.7	6.6
14	7.2	7.1	7.1	7.0	6.8	6.8	6.3	6.3	6.4	6.4	6.7	6.5
15	7.2	7.1	7.1	7.0	6.8	6.8	6.3	6.3	6.4	6.4	6.6	6.4
16	7.2	7.1	7.1	7.0	6.8	6.7	6.4	6.3	6.4	6.4	6.5	6.4
17	7.3	7.1	7.1	7.0	6.9	6.7	6.4	6.4	6.4	6.2	6.4	6.4
18	7.3	7.1	7.1	7.0	6.9	6.8	6.4	6.4	6.4	6.4	6.4	6.3
19	7.2	7.0	7.1	7.0	7.0	6.8	6.4	6.3	6.5	6.4	6.5	6.3
20	7.3	7.0	7.2	7.1	7.0	6.9	6.4	6.3	6.4	6.4	6.5	6.4
21	7.2	7.1	7.6	7.2	6.9	6.8	6.5	6.3	6.5	6.4	6.5	6.3
22	7.2	7.1	7.3	7.1	6.9	6.8	6.4	6.1	6.4	6.4	6.3	6.2
23	7.1	6.9	7.1	7.0	6.9	6.8	6.2	6.0	6.4	6.4	6.2	6.1
24	7.2	6.8	7.2	7.1	6.8	6.8	6.1	6.0	6.5	6.4	6.2	6.2
25	6.9	6.9	7.1	7.0	6.8	6.8	6.1	6.0	6.5	6.5	6.4	6.2
26	7.0	6.9	7.1	7.0	6.8	6.7	6.1	6.0	6.6	6.5	6.4	6.3
27	6.9	6.9	7.1	6.9	6.8	6.7	6.1	6.0	6.6	6.5	6.4	6.3
28	6.9	6.9	7.0	6.9	6.8	6.7	6.1	6.1	6.5	6.4	6.4	6.4
29	7.0	6.9	6.9	6.9	6.9	6.8	6.2	6.1	---	---	6.4	6.4
30	7.0	6.9	6.9	6.7	6.9	6.8	6.2	6.2	---	---	6.5	6.4
31	7.0	6.9	---	---	6.9	6.8	6.3	6.2	---	---	6.6	6.5
MONTH	7.5	6.8	7.6	6.7	7.3	6.5	6.9	5.9	6.6	6.2	6.7	6.1

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.6	6.5	6.5	6.4	6.7	6.6	7.1	6.7	7.2	6.7	7.3	7.2
2	6.6	6.5	6.5	6.3	6.7	6.4	6.9	6.8	7.3	6.8	7.3	7.2
3	6.7	6.5	6.3	6.3	6.7	6.5	7.1	6.9	7.3	7.0	7.3	7.1
4	6.6	6.5	6.4	6.2	6.8	6.5	7.0	6.8	7.1	6.9	7.3	7.2
5	6.5	6.4	6.5	6.4	7.0	6.6	7.0	6.8	7.2	6.9	7.2	7.1
6	6.5	6.4	6.6	6.4	6.7	6.5	6.8	6.6	---	---	7.2	7.1
7	6.4	6.4	6.6	6.4	6.8	6.6	6.8	6.7	---	---	7.2	7.0
8	6.5	6.4	6.5	6.4	6.9	6.8	6.9	6.7	---	---	7.3	7.1
9	6.5	6.4	6.4	6.3	7.0	6.7	7.0	6.7	---	---	7.4	7.0
10	6.5	6.4	6.4	6.3	7.0	6.9	6.7	6.7	7.0	6.8	7.2	7.1
11	6.5	6.4	6.4	6.3	---	---	6.8	6.7	7.0	6.8	7.1	7.0
12	6.5	6.4	6.5	6.3	---	---	6.9	6.7	6.9	6.8	7.1	7.1
13	6.5	6.5	6.4	6.3	---	---	6.8	6.6	6.9	6.6	7.2	7.1
14	6.5	6.5	6.4	6.3	---	---	6.9	6.6	6.8	6.5	7.3	7.1
15	6.5	6.4	6.5	6.3	---	---	7.0	6.8	6.7	6.5	7.2	7.1
16	6.5	6.4	6.5	6.4	7.1	6.8	7.1	6.8	6.8	6.6	7.3	7.0
17	6.5	6.3	6.5	6.4	7.0	6.7	7.1	6.9	6.9	6.7	7.1	6.9
18	6.4	6.3	6.4	6.4	7.3	6.6	7.2	6.8	6.9	6.5	7.4	7.0
19	6.3	6.3	6.6	6.4	7.2	6.8	---	---	6.8	6.5	7.3	7.0
20	6.3	6.2	6.7	6.4	7.0	6.7	---	---	7.3	6.7	7.3	7.0
21	6.4	6.2	6.6	6.4	---	---	---	---	7.3	6.9	7.3	7.1
22	6.3	6.3	6.7	6.5	---	---	---	---	7.2	6.7	7.3	7.0
23	6.3	6.3	6.6	6.6	7.0	6.9	---	---	7.1	6.9	7.2	7.1
24	6.4	6.3	6.6	6.4	7.0	6.8	---	---	7.0	6.8	7.1	7.1
25	6.3	6.3	6.5	6.4	7.3	6.9	---	---	6.9	6.8	7.1	7.0
26	6.4	6.3	6.5	6.4	7.2	6.9	---	---	7.0	6.8	7.1	7.0
27	6.5	6.3	6.7	6.5	7.2	6.9	---	---	7.0	6.8	7.1	7.0
28	6.5	6.4	6.7	6.5	7.3	6.9	---	---	7.0	6.8	7.1	6.9
29	6.5	6.3	6.7	6.6	7.2	6.9	---	---	7.0	6.7	7.1	7.0
30	6.5	6.4	6.7	6.6	7.3	7.0	---	---	7.4	6.6	7.1	6.9
31	---	---	6.7	6.5	---	---	---	---	7.4	7.2	---	---
MONTH	6.7	6.2	6.7	6.2	7.3	6.4	7.2	6.6	7.4	6.5	7.4	6.9
YEAR	7.6	5.9										

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.0	23.5	24.0	17.0	16.5	16.5	11.5	11.0	11.5	7.5	7.0	7.0
2	24.0	23.0	23.5	17.5	16.5	17.0	11.5	11.0	11.5	8.0	7.0	7.0
3	23.0	22.5	22.5	17.5	17.0	17.0	11.0	11.0	11.0	---	---	---
4	23.0	22.0	22.5	18.0	17.0	17.5	11.0	10.5	10.5	---	---	---
5	23.0	22.0	22.5	18.0	17.5	17.5	10.5	10.0	10.5	---	---	---
6	24.0	22.5	23.0	18.0	17.5	17.5	10.0	10.0	10.0	10.5	10.0	10.0
7	23.5	22.0	22.5	17.5	17.0	17.0	10.5	9.5	10.0	10.0	9.0	9.5
8	22.0	21.0	21.5	17.0	16.5	16.5	11.0	10.0	10.5	9.0	8.5	9.0
9	21.5	21.0	21.0	17.0	16.5	16.5	10.5	10.0	10.0	8.5	7.5	8.0
10	21.0	20.5	21.0	16.5	16.0	16.0	10.0	9.5	9.5	7.5	5.5	6.5
11	21.0	20.5	21.0	16.0	15.5	15.5	9.5	8.5	9.0	5.5	4.5	5.0
12	21.0	20.5	20.5	15.5	15.0	15.5	9.0	8.0	8.5	5.0	4.0	4.5
13	21.0	20.5	20.5	15.5	15.0	15.0	8.5	8.0	8.0	4.0	3.0	3.5
14	20.5	20.0	20.5	15.5	14.5	15.0	8.0	8.0	8.0	3.0	2.5	3.0
15	20.5	20.0	20.0	15.0	14.5	14.5	8.0	7.5	8.0	3.5	3.0	3.5
16	21.0	20.0	20.5	15.0	14.5	14.5	7.5	7.5	7.5	3.5	2.5	3.0
17	21.0	20.5	21.0	15.0	14.0	14.5	7.5	7.0	7.5	3.0	2.0	2.5
18	21.0	20.0	20.5	14.5	13.5	14.0	7.0	6.0	6.5	2.5	2.0	2.0
19	20.0	19.5	19.5	14.5	14.0	14.5	6.0	5.5	5.5	3.5	2.5	3.0
20	19.5	18.5	19.0	14.0	13.0	13.5	5.5	5.0	5.0	4.5	3.5	3.5
21	19.5	18.5	19.0	13.0	12.5	13.0	5.0	5.0	5.0	6.5	4.0	6.0
22	19.0	18.5	19.0	12.5	11.5	12.0	7.0	5.0	6.0	11.5	7.0	10.0
23	18.5	17.5	18.0	11.5	11.5	11.5	7.0	6.5	6.5	13.0	12.0	13.0
24	17.5	16.0	16.5	12.0	11.0	11.5	6.5	6.0	6.5	13.0	12.0	13.0
25	16.5	16.0	16.0	11.5	11.0	11.0	6.0	5.5	6.0	12.0	10.5	11.5
26	16.0	16.0	16.0	12.0	11.0	11.5	6.0	6.0	6.0	10.0	9.0	9.5
27	16.5	16.0	16.0	12.5	12.0	12.0	6.5	6.0	6.0	9.0	8.5	9.0
28	16.5	15.5	16.0	12.0	11.5	11.5	7.0	5.5	6.5	9.0	8.5	8.5
29	16.5	15.5	16.0	11.5	11.0	11.5	7.0	6.5	6.5	8.5	8.0	8.0
30	16.5	16.0	16.0	11.5	11.0	11.0	7.0	6.5	6.5	9.0	8.0	8.5
31	17.0	16.0	16.5	---	---	---	7.0	6.5	7.0	10.5	9.0	10.0
MONTH	24.0	15.5	19.5	18.0	11.0	14.5	11.5	5.0	8.0	13.0	2.0	7.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.0	9.0	9.5	10.0	8.5	9.0	16.0	15.5	15.5	17.5	16.0	16.5
2	9.0	9.0	9.0	10.0	9.0	9.5	18.0	16.0	16.5	17.5	16.5	17.0
3	9.0	8.0	8.5	11.0	10.0	10.0	17.5	16.5	16.5	17.5	16.5	17.0
4	7.5	7.0	7.5	11.5	10.5	11.0	16.5	16.0	16.0	18.0	16.5	17.5
5	7.5	7.0	7.5	12.0	11.0	11.5	16.0	16.0	16.0	18.5	17.5	18.0
6	7.5	6.5	7.0	11.0	10.0	10.5	15.5	15.0	15.0	20.5	18.0	19.0
7	7.0	6.0	6.5	10.0	9.0	9.5	14.5	14.0	14.0	19.5	19.0	19.0
8	6.5	6.0	6.5	10.0	9.0	9.5	14.0	12.0	13.0	19.0	18.5	18.5
9	6.5	5.0	5.5	10.5	9.0	9.5	12.5	12.0	12.0	18.5	18.0	18.0
10	5.0	4.5	5.0	10.5	9.5	10.0	12.0	12.0	12.0	19.0	18.0	18.5
11	5.5	4.0	5.0	10.5	10.0	10.5	13.0	12.0	12.5	19.5	18.5	19.0
12	5.0	4.0	4.5	12.0	10.5	11.0	13.5	12.5	13.0	21.0	19.0	19.5
13	5.0	4.0	4.5	12.5	12.0	12.0	13.5	13.0	13.5	20.5	19.0	20.0
14	5.5	4.5	5.0	12.0	11.5	12.0	14.0	13.5	13.5	20.5	20.0	20.0
15	6.5	5.5	5.5	14.0	12.0	13.0	14.0	13.5	14.0	21.0	20.5	21.0
16	9.0	6.0	7.0	15.5	14.0	15.0	15.5	14.0	14.5	21.5	20.5	21.0
17	9.0	8.0	8.5	18.0	15.5	16.5	16.5	14.5	16.0	21.5	21.0	21.5
18	10.0	8.5	9.0	18.5	17.0	18.0	16.0	15.5	15.5	22.0	21.0	21.5
19	10.0	9.5	9.5	18.5	17.0	18.0	16.0	15.5	15.5	24.0	21.5	22.5
20	10.0	9.0	10.0	19.0	18.0	18.5	16.0	15.5	16.0	23.5	22.0	23.0
21	11.5	10.0	10.5	19.0	17.5	18.0	16.0	15.5	16.0	22.5	22.0	22.5
22	11.0	10.5	10.5	18.0	17.0	17.5	16.0	15.5	15.5	24.5	22.5	23.5
23	11.5	10.5	11.0	17.0	15.0	16.0	16.0	15.5	15.5	24.0	23.5	23.5
24	12.0	11.5	11.5	16.5	15.0	16.0	15.5	15.0	15.0	23.5	22.5	23.0
25	11.5	10.5	11.0	17.5	16.0	16.5	15.5	15.0	15.5	23.5	22.5	23.0
26	10.5	9.5	10.0	16.5	15.5	16.0	16.5	15.0	15.5	24.0	23.0	23.5
27	9.5	9.0	9.5	15.5	14.5	15.0	17.0	16.0	16.5	26.0	24.0	25.0
28	9.0	8.0	8.5	14.0	13.5	14.0	17.0	16.0	16.5	25.5	24.5	25.0
29	---	---	---	14.0	13.5	14.0	17.0	16.0	16.5	26.0	25.0	25.5
30	---	---	---	14.5	13.5	14.0	17.0	16.5	16.5	26.0	25.5	25.5
31	---	---	---	16.0	14.5	15.5	---	---	---	26.5	25.5	26.0
MONTH	12.0	4.0	8.0	19.0	8.5	13.5	18.0	12.0	15.0	26.5	16.0	21.0

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.5	25.5	26.0	29.0	27.5	28.0	32.5	29.0	30.5	29.5	28.5	29.0
2	26.0	24.0	24.5	28.5	28.0	28.0	33.0	29.5	30.5	29.0	28.5	28.5
3	25.0	24.5	24.5	29.5	28.5	29.0	31.0	30.5	31.0	28.5	28.0	28.5
4	25.0	24.5	25.0	29.0	28.5	29.0	31.5	30.5	31.0	28.0	27.5	28.0
5	25.0	25.0	25.5	29.0	28.5	28.5	32.0	31.0	31.5	27.5	27.0	27.5
6	25.5	24.5	25.0	28.5	27.5	28.5	---	---	---	27.0	26.5	27.0
7	25.0	25.0	25.5	29.0	28.5	28.5	---	---	---	27.0	26.5	27.0
8	27.0	26.0	26.5	30.0	29.0	29.5	---	---	---	27.0	26.5	27.0
9	27.5	26.5	27.0	30.5	29.5	30.0	---	---	---	27.0	26.5	27.0
10	27.5	26.5	27.0	30.0	29.5	29.5	30.0	29.5	29.5	27.0	26.5	27.0
11	---	---	---	30.0	29.0	29.5	30.0	29.5	29.5	26.5	26.5	26.5
12	---	---	---	29.5	28.5	29.0	29.0	29.0	29.0	26.5	26.5	26.5
13	---	---	---	29.5	28.0	28.5	29.0	28.5	28.5	27.0	26.0	26.5
14	---	---	---	29.5	28.5	29.0	28.5	27.5	28.0	27.0	26.5	26.5
15	---	---	---	30.0	29.0	29.5	28.0	27.5	28.0	27.0	26.5	26.5
16	27.5	26.5	27.0	30.0	29.5	30.0	28.5	28.0	28.0	27.0	26.5	27.0
17	26.5	26.0	26.5	31.0	30.0	30.5	28.5	28.0	28.5	27.0	26.5	26.5
18	27.5	25.5	26.5	31.5	30.0	30.5	28.5	27.5	28.0	27.5	26.5	27.0
19	27.5	26.5	27.0	30.5	30.0	30.0	28.5	28.0	28.0	27.0	26.5	26.5
20	27.0	26.0	26.5	30.0	29.5	29.5	30.5	28.0	28.5	27.0	26.0	26.5
21	---	---	---	30.0	29.5	30.0	30.0	29.0	29.5	26.5	25.0	26.0
22	---	---	---	---	---	---	29.5	28.5	29.0	25.0	24.0	24.5
23	27.5	26.5	27.0	---	---	---	29.5	29.0	29.0	24.0	23.0	23.5
24	27.5	26.5	27.0	---	---	---	30.0	29.0	29.0	23.5	23.0	23.0
25	28.5	27.5	28.0	---	---	---	29.5	29.0	29.0	23.5	23.0	23.0
26	28.0	27.5	28.0	---	---	---	29.0	28.5	29.0	23.0	22.5	22.5
27	28.5	27.5	28.0	---	---	---	29.0	28.5	29.0	22.5	22.0	22.5
28	29.0	28.0	28.5	---	---	---	29.0	28.5	29.0	22.5	22.0	22.0
29	29.0	28.0	28.5	---	---	---	29.0	28.5	28.5	22.5	22.0	22.0
30	30.0	28.0	28.5	---	---	---	29.0	28.5	29.0	22.5	22.0	22.5
31	---	---	---	---	---	---	29.0	28.5	29.0	---	---	---
MONTH	30.0	24.0	26.5	31.5	27.5	29.5	33.0	27.5	29.0	29.5	22.0	26.0
YEAR	33.0	2.0	17.5									

TURBIDITY (NTU), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	50	40	45	360	40	60	130	95	110	40	40	40
2	70	45	55	60	45	50	140	130	130	55	40	40
3	75	55	65	65	45	55	140	120	130	---	---	---
4	70	50	60	65	50	55	120	110	110	---	---	---
5	60	40	50	60	45	55	---	---	---	---	---	---
6	55	40	45	60	50	55	---	---	---	370	320	340
7	60	40	50	70	60	65	---	---	---	310	260	280
8	80	45	60	70	55	60	40	35	35	300	250	280
9	60	45	50	70	50	55	35	30	35	260	220	240
10	65	50	55	180	50	60	35	30	30	240	190	210
11	70	50	60	70	55	60	30	30	30	200	190	190
12	70	55	60	70	55	60	30	25	25	190	170	180
13	65	50	55	65	50	55	30	25	25	200	180	190
14	70	50	60	65	55	60	25	25	25	220	200	210
15	80	60	65	60	55	55	25	25	25	240	210	220
16	80	55	65	60	50	55	30	25	30	240	210	230
17	70	45	55	60	50	55	35	30	35	250	220	240
18	85	50	60	55	50	55	35	35	35	240	220	230
19	85	50	65	55	50	50	35	35	35	230	200	210
20	60	40	50	55	50	55	35	30	35	200	170	190
21	55	35	45	65	60	60	35	35	35	240	170	210
22	55	35	45	65	60	60	35	35	35	550	250	450
23	60	50	55	65	60	60	40	35	40	500	340	400
24	70	55	60	65	60	60	45	40	40	550	450	500
25	65	55	60	75	60	65	45	40	45	450	360	400
26	70	60	65	70	60	60	45	45	45	380	330	350
27	65	50	55	90	60	70	45	45	45	340	310	320
28	60	50	55	90	75	85	45	45	45	320	260	290
29	55	40	45	85	75	80	45	45	45	270	240	250
30	50	40	45	110	80	90	45	40	45	260	230	240
31	50	40	45	---	---	---	45	40	45	320	230	250
MONTH	85	35	55	360	40	60	140	25	50	550	40	260

03592826 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	270	230	250	120	110	120	75	60	70	85	70	80
2	230	170	200	120	100	110	200	60	75	85	70	75
3	170	130	150	100	85	90	110	85	100	---	---	---
4	130	120	130	100	85	90	110	85	100	65	55	60
5	120	110	110	95	90	90	150	85	100	65	45	55
6	130	110	120	95	90	95	160	140	150	60	40	50
7	190	130	170	95	90	90	160	130	150	60	45	50
8	210	190	200	95	85	90	140	120	130	80	55	70
9	190	120	160	95	75	80	150	120	130	95	75	85
10	160	110	140	85	70	75	130	110	120	90	60	70
11	120	100	110	75	65	70	120	95	110	85	65	75
12	110	90	95	70	60	65	100	90	95	90	50	65
13	90	80	85	70	60	60	90	80	85	80	60	65
14	130	85	100	95	60	75	85	70	80	70	55	60
15	170	140	160	190	70	120	80	65	75	75	60	65
16	170	130	150	150	130	140	80	65	75	75	60	65
17	300	120	180	130	110	120	150	75	95	85	55	65
18	130	95	110	140	110	130	100	95	100	80	60	70
19	95	85	90	140	110	120	100	90	95	75	50	65
20	110	90	95	120	110	110	95	80	90	70	50	60
21	140	100	120	170	110	140	100	85	95	95	55	75
22	210	140	170	170	140	160	95	75	85	60	50	55
23	210	190	190	150	130	140	95	70	85	60	50	55
24	200	180	190	150	130	140	90	75	85	65	50	60
25	200	180	190	140	110	120	85	75	80	55	45	50
26	190	180	180	160	110	130	85	70	75	55	40	45
27	180	130	150	120	110	120	85	70	75	55	30	40
28	130	120	120	110	95	110	95	70	80	55	40	45
29	---	---	---	130	85	95	140	75	80	50	40	45
30	---	---	---	95	80	85	90	70	80	50	35	40
31	---	---	---	85	70	80	---	---	---	50	35	45
MONTH	300	80	150	180	60	110	200	60	95	95	30	60
		JUNE			JULY			AUGUST			SEPTEMBER	
1	50	40	45	50	30	40	45	35	40	40	20	25
2	80	45	65	40	30	30	55	30	40	35	20	30
3	60	45	50	35	25	30	50	35	45	50	30	35
4	60	35	45	45	25	30	80	45	60	50	35	40
5	50	30	40	40	25	30	100	75	90	65	40	45
6	70	40	55	60	30	40	---	---	---	60	40	45
7	50	30	35	35	25	30	---	---	---	65	45	50
8	45	20	35	35	20	25	---	---	---	60	35	45
9	40	25	35	40	20	30	---	---	---	50	25	35
10	45	30	30	35	20	30	40	20	30	40	30	35
11	---	---	---	40	20	25	45	25	35	45	30	35
12	---	---	---	45	15	30	55	35	45	50	30	40
13	---	---	---	50	35	40	70	45	55	50	30	40
14	---	---	---	35	25	30	80	50	65	60	35	50
15	---	---	---	30	15	25	90	70	75	70	30	50
16	60	30	40	35	20	25	90	15	60	40	25	30
17	50	40	45	35	20	25	20	7.6	15	45	30	35
18	55	25	35	30	20	20	30	15	20	40	25	30
19	45	25	30	35	20	30	35	15	25	40	25	30
20	45	25	35	45	25	30	30	20	30	35	25	30
21	---	---	---	35	20	25	35	20	30	60	25	35
22	---	---	---	---	---	---	70	35	40	45	30	35
23	55	30	40	---	---	---	45	35	40	50	30	40
24	35	25	30	---	---	---	55	40	50	45	30	35
25	35	20	25	---	---	---	90	55	75	45	30	35
26	30	20	25	---	---	---	110	80	95	50	30	35
27	45	20	30	---	---	---	210	35	140	55	35	40
28	45	25	30	---	---	---	55	35	40	55	35	40
29	45	20	30	---	---	---	55	35	40	40	25	35
30	45	20	25	---	---	---	45	20	35	40	25	30
31	---	---	---	---	---	---	35	20	25	---	---	---
MONTH	80	20	37	60	15	30	210	7.6	50	70	20	37
YEAR	550	7.6	85									

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.8	7.4	7.6	8.6	8.0	8.2	10.0	9.3	9.7	11.3	11.2	11.2
2	7.9	7.4	7.6	8.4	8.0	8.2	10.0	9.7	9.8	11.3	11.1	11.2
3	7.7	7.5	7.6	8.6	7.9	8.2	9.7	9.6	9.7	---	---	---
4	8.1	7.4	7.7	8.9	8.0	8.6	9.9	9.7	9.8	---	---	---
5	8.1	7.5	7.8	8.9	8.3	8.6	9.9	9.7	9.8	---	---	---
6	8.3	7.4	7.9	9.0	8.3	8.7	9.8	9.7	9.7	10.3	10.1	10.2
7	8.2	7.6	7.9	8.8	8.4	8.5	10.2	9.6	9.8	10.3	10.2	10.3
8	7.8	7.4	7.6	8.8	8.3	8.5	10.0	9.6	9.8	10.2	10.1	10.2
9	8.0	7.5	7.7	8.7	8.2	8.4	9.9	9.7	9.8	10.4	10.2	10.3
10	7.4	7.0	7.2	8.6	8.2	8.3	10.6	9.8	10.0	10.7	10.3	10.5
11	7.4	6.9	7.2	8.8	8.3	8.5	10.1	9.9	10.1	10.9	10.7	10.8
12	7.4	7.0	7.2	8.8	8.4	8.6	10.2	10.0	10.2	11.0	10.8	10.9
13	7.7	7.2	7.4	9.2	8.6	8.9	10.4	10.2	10.3	11.5	11.1	11.3
14	7.7	7.4	7.5	9.2	8.6	8.9	10.7	10.3	10.5	11.8	11.6	11.7
15	7.7	7.1	7.5	9.1	8.8	9.0	10.8	10.7	10.8	11.8	11.6	11.7
16	8.1	7.0	7.6	9.5	8.8	9.2	10.9	10.7	10.8	12.0	11.8	11.9
17	8.4	7.3	7.9	9.6	9.1	9.3	11.1	10.7	10.9	12.3	11.9	12.2
18	8.3	7.9	8.1	9.5	9.1	9.3	11.4	11.0	11.2	12.3	12.0	12.1
19	8.2	7.7	8.0	9.6	9.0	9.2	11.7	11.2	11.5	12.3	12.1	12.2
20	8.6	7.9	8.1	9.7	9.4	9.5	11.7	11.5	11.6	12.5	12.3	12.3
21	8.3	7.6	8.0	10.3	9.6	9.9	11.7	11.6	11.6	12.8	11.9	12.3
22	8.0	7.4	7.6	9.9	9.5	9.7	11.6	11.4	11.5	11.9	11.2	11.6
23	8.0	7.3	7.6	9.9	9.7	9.7	11.5	11.3	11.4	11.1	10.6	10.8
24	8.0	7.5	7.7	10.2	9.7	9.9	11.5	11.4	11.4	10.7	10.6	10.6
25	7.8	7.5	7.7	10.2	9.8	9.9	11.7	11.4	11.6	11.1	10.6	10.9
26	7.7	7.4	7.5	10.1	9.7	9.9	11.7	11.5	11.6	11.1	10.9	11.0
27	8.0	7.5	7.7	10.0	9.8	9.9	11.6	11.5	11.5	11.0	10.8	10.9
28	7.8	7.6	7.7	10.0	9.8	9.9	11.5	11.4	11.5	11.2	10.8	11.0
29	8.1	7.7	7.9	9.9	9.7	9.8	11.6	11.4	11.5	11.3	11.2	11.2
30	8.3	7.7	8.0	10.0	9.5	9.8	11.5	11.3	11.4	11.2	11.1	11.2
31	8.4	8.0	8.1	---	---	---	11.3	11.2	11.2	11.0	10.8	10.9
MONTH	8.6	6.9	7.7	10.3	7.9	9.1	11.7	9.3	10.7	12.8	10.1	11.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.9	10.7	10.8	11.1	10.8	10.9	9.4	9.1	9.3	9.1	8.7	8.9
2	10.8	10.6	10.7	11.0	10.7	10.8	9.3	8.9	9.1	9.1	8.2	8.7
3	11.3	10.8	11.1	10.9	10.7	10.8	9.1	8.8	9.0	8.6	8.1	8.3
4	11.6	11.4	11.5	10.8	10.6	10.6	9.0	8.7	8.8	8.3	7.8	8.0
5	11.7	11.5	11.6	10.6	10.5	10.6	8.8	8.6	8.7	8.3	7.7	8.0
6	11.7	11.5	11.6	10.6	10.6	10.6	8.9	8.7	8.8	7.9	7.1	7.6
7	11.7	11.4	11.5	10.8	10.6	10.7	9.1	8.3	8.9	7.9	6.8	7.4
8	11.4	11.2	11.3	10.8	10.6	10.8	9.5	9.0	9.3	7.9	7.1	7.4
9	12.3	11.5	12.0	10.9	10.6	10.7	9.7	9.6	9.6	7.5	7.1	7.3
10	12.4	12.1	12.2	10.9	10.6	10.8	9.6	9.5	9.6	7.7	7.1	7.4
11	12.5	12.4	12.4	10.9	10.6	10.7	9.6	9.4	9.5	7.4	6.6	7.0
12	12.7	12.5	12.6	10.7	10.5	10.6	9.6	9.3	9.5	7.5	6.5	7.0
13	12.8	12.7	12.8	10.7	10.5	10.6	9.7	9.6	9.7	6.8	6.3	6.6
14	12.7	12.6	12.6	10.6	10.2	10.4	9.7	9.4	9.6	6.9	6.1	6.5
15	12.5	12.3	12.4	10.2	9.7	10.0	9.5	9.3	9.4	6.8	6.0	6.5
16	12.3	11.9	12.2	9.7	9.4	9.5	9.3	8.9	9.1	6.9	6.2	6.5
17	11.9	11.5	11.6	9.4	9.0	9.2	9.1	8.9	9.1	6.8	6.2	6.5
18	11.7	11.4	11.5	8.9	8.6	8.7	8.9	8.6	8.8	6.6	5.8	6.1
19	11.4	11.3	11.4	8.7	8.3	8.6	8.6	8.2	8.4	7.2	5.7	6.4
20	11.4	11.2	11.3	8.5	8.3	8.4	8.3	8.1	8.3	7.0	5.8	6.4
21	11.2	11.0	11.1	8.5	8.3	8.4	8.4	8.1	8.2	6.4	4.9	5.6
22	11.0	10.6	10.8	8.5	8.3	8.4	8.4	8.1	8.3	7.0	4.9	6.1
23	10.8	10.5	10.6	8.5	8.3	8.4	8.4	8.1	8.3	6.6	5.9	6.3
24	10.5	10.2	10.3	8.3	8.0	8.2	8.6	8.4	8.5	---	---	---
25	10.5	10.3	10.4	8.6	8.0	8.3	8.6	8.3	8.4	---	---	---
26	10.6	10.4	10.5	8.6	8.4	8.5	8.7	8.2	8.4	---	---	---
27	11.0	10.6	10.7	8.8	8.4	8.6	9.2	8.4	8.8	---	---	---
28	11.2	11.0	11.1	9.0	8.7	8.8	9.2	8.4	8.7	---	---	---
29	---	---	---	9.1	8.9	9.0	8.9	8.4	8.6	---	---	---
30	---	---	---	9.2	8.9	9.1	9.1	8.7	8.9	---	---	---
31	---	---	---	9.4	9.1	9.3	---	---	---	---	---	---
MONTH	12.8	10.2	11.5	11.1	8.0	9.7	9.7	8.1	8.9	9.1	4.9	7.1

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	6.9	4.2	5.4	6.4	5.7	6.1
2	---	---	---	---	---	---	6.9	4.6	5.7	6.2	5.8	6.0
3	---	---	---	---	---	---	6.7	6.0	6.4	6.4	5.6	5.8
4	6.9	6.1	6.5	---	---	---	6.7	5.7	6.2	6.7	5.8	6.1
5	7.7	6.2	7.2	---	---	---	7.0	6.0	6.5	6.4	5.5	5.9
6	6.9	6.1	6.6	---	---	---	---	---	---	6.2	5.2	5.7
7	6.9	6.6	6.8	---	---	---	---	---	---	6.1	5.2	5.5
8	6.9	6.0	6.5	---	---	---	---	---	---	6.1	5.1	5.7
9	---	---	---	---	---	---	---	---	---	6.4	5.3	5.8
10	---	---	---	---	---	---	6.0	5.0	5.4	6.4	5.4	5.9
11	---	---	---	---	---	---	6.1	5.5	5.8	5.8	5.3	5.5
12	---	---	---	---	---	---	5.8	5.0	5.3	5.7	5.1	5.4
13	---	---	---	---	---	---	5.9	4.1	4.9	6.2	5.4	5.7
14	---	---	---	---	---	---	5.4	4.1	4.3	6.3	5.6	6.0
15	---	---	---	---	---	---	4.7	4.0	4.2	6.0	5.3	5.6
16	7.4	6.2	6.9	6.1	5.3	5.7	5.8	4.4	5.4	6.6	5.2	5.9
17	6.5	6.0	6.3	6.3	5.5	5.9	6.1	5.5	5.7	5.7	4.9	5.1
18	---	---	---	7.2	4.9	6.4	---	---	---	7.1	5.2	5.9
19	7.8	6.6	7.2	---	---	---	5.6	4.2	4.9	---	---	---
20	---	---	---	---	---	---	7.4	4.9	6.0	6.9	5.2	5.8
21	---	---	---	---	---	---	7.6	6.9	7.3	6.7	5.6	6.2
22	---	---	---	---	---	---	7.5	5.5	6.5	6.8	6.0	6.4
23	7.0	5.9	6.3	---	---	---	7.1	6.4	6.7	7.0	6.5	6.8
24	7.1	6.2	6.7	---	---	---	6.9	5.8	6.4	7.1	6.6	6.8
25	7.6	7.1	7.3	---	---	---	6.5	5.7	6.0	7.1	6.5	6.8
26	7.3	6.5	7.0	---	---	---	6.5	5.3	5.8	6.9	6.4	6.7
27	7.3	6.5	6.9	---	---	---	6.5	5.2	5.8	6.9	6.3	6.6
28	7.1	5.9	6.6	---	---	---	6.4	5.5	5.9	6.7	6.3	6.5
29	6.6	5.2	6.0	---	---	---	6.6	4.3	5.5	7.2	6.5	6.7
30	7.2	6.0	6.4	---	---	---	6.5	5.7	6.1	6.8	6.1	6.5
31	---	---	---	---	---	---	6.6	5.7	6.2	---	---	---
MONTH	7.8	5.2	6.7	7.2	4.9	6.0	7.6	4.0	5.8	7.2	4.9	6.1
YEAR	12.8	4.0	8.7									

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	16	24	---	108	30	20	31	---	12	---	5
2	14	18	15	---	72	151	16	28	---	11	20	6
3	17	17	22	---	51	25	19	20	---	14	10	6
4	16	16	28	---	42	20	---	16	---	18	10	6
5	16	21	---	137	38	---	---	14	---	18	8	7
6	15	16	26	149	26	---	---	---	---	18	---	8
7	21	---	26	122	28	---	---	---	---	20	---	10
8	16	---	22	130	33	123	45	---	---	20	---	11
9	19	26	---	110	44	155	33	---	---	16	9	5
10	24	22	---	102	48	---	32	---	---	18	6	14
11	17	13	---	103	32	44	29	14	---	44	12	13
12	18	17	---	187	28	---	22	16	---	18	18	15
13	18	16	---	61	22	---	24	14	---	15	7	12
14	14	18	---	115	16	---	18	11	---	15	16	12
15	20	16	---	122	20	---	21	12	---	---	12	31
16	20	15	---	70	32	---	16	10	---	---	14	12
17	20	14	---	68	34	43	16	10	---	---	18	---
18	16	14	---	70	33	39	21	10	---	---	12	---
19	21	24	---	74	36	32	19	9	---	---	13	---
20	22	16	---	84	24	26	16	---	---	---	14	---
21	20	17	---	96	24	---	21	---	---	---	5	---
22	20	15	---	138	23	---	19	---	237	---	6	22
23	24	19	---	171	26	---	22	---	84	---	5	6
24	20	20	---	146	47	---	22	---	53	---	6	9
25	26	20	---	152	44	23	20	---	38	---	11	6
26	18	20	---	138	30	33	20	---	26	---	12	7
27	22	20	---	130	47	26	16	---	---	---	13	---
28	24	19	---	200	---	28	22	---	---	---	15	7
29	18	20	---	198	---	24	17	---	35	---	19	---
30	14	16	---	163	---	15	18	---	22	---	9	---
31	13	---	---	144	---	17	---	---	---	---	8	---
MEAN	19	18	23	125	37	48	22	15	71	18	11	11

WTR YR 1982 MEAN 35 MAX 237 MIN 5

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 mi (2.1 km) downstream from Beale Street gage, 3.5 mi (5.6 km) downstream from Wolf River, 62.4 mi (100.4 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi² (2,416,000 km²), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1980. Monthly discharge only for some periods, published in WSP 1311.
Gage heights: October 1934 to September 1951 and October 1952 to September 1978 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

REMARKS.--Flow regulated by many locks, dams, and reservoirs upstream.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--47 years, 475,800 ft³/s (13,500 m³/s), 344,700,000 acre-ft/yr (425 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,980,000 ft³/s (56,100 m³/s) Feb. 8, 1937, maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937, minimum discharge, 79,200 ft³/s (2,240 m³/s) Aug. 26, 1936, minimum gage height -5.70 ft (-1.737 m) Sept. 21, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

EXTREMES FOR WATER YEAR 1980.--Maximum discharge, 1,260,000 ft³/s (35,700 m³/s) Apr. 3; maximum gage height, 31.99 ft (9.751 m) Apr. 8; minimum daily discharge, 222,000 ft³/s (6,290 m³/s) July 25.

NOTE.--Records for 1981 and 1982 water years will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	643000	324000	833000	692000	511000	561000	1250000	595000	514000	351000	261000	373000
2	623000	333000	864000	696000	474000	558000	1250000	538000	474000	361000	246000	318000
3	606000	325000	876000	696000	438000	557000	1250000	504000	427000	376000	253000	287000
4	585000	324000	885000	659000	405000	534000	1250000	488000	388000	382000	266000	267000
5	570000	349000	855000	671000	381000	493000	1250000	485000	361000	383000	276000	260000
6	563000	390000	885000	639000	364000	451000	1240000	484000	356000	390000	277000	271000
7	559000	420000	862000	593000	344000	419000	1220000	488000	398000	405000	262000	298000
8	545000	448000	832000	562000	323000	404000	1230000	487000	479000	414000	249000	319000
9	528000	483000	776000	479000	302000	410000	1210000	471000	552000	401000	248000	332000
10	512000	511000	702000	454000	285000	451000	1180000	442000	601000	378000	262000	341000
11	495000	517000	623000	446000	277000	535000	1140000	403000	627000	355000	274000	356000
12	480000	518000	564000	436000	275000	618000	1120000	368000	630000	330000	283000	355000
13	464000	521000	544000	431000	282000	679000	1110000	345000	617000	319000	286000	340000
14	449000	536000	519000	431000	289000	718000	1090000	324000	597000	324000	255000	318000
15	436000	550000	503000	445000	285000	739000	1060000	312000	581000	334000	280000	287000
16	434000	559000	504000	430000	285000	752000	1030000	310000	567000	349000	273000	271000
17	442000	564000	523000	522000	290000	783000	1020000	315000	552000	364000	289000	266000
18	453000	564000	561000	551000	299000	796000	1020000	328000	537000	374000	313000	262000
19	459000	551000	596000	567000	316000	804000	1020000	351000	521000	372000	365000	264000
20	462000	543000	619000	572000	334000	847000	1030000	380000	506000	357000	383000	269000
21	457000	534000	624000	568000	351000	891000	1030000	452000	493000	331000	400000	269000
22	442000	536000	609000	566000	371000	925000	1030000	534000	481000	301000	401000	277000
23	425000	536000	576000	567000	394000	970000	1020000	582000	468000	263000	397000	277000
24	401000	524000	567000	572000	407000	1020000	1000000	594000	469000	235000	406000	278000
25	378000	515000	511000	531000	409000	1070000	989000	584000	454000	222000	436000	282000
26	356000	526000	490000	594000	408000	1110000	958000	573000	427000	225000	457000	287000
27	339000	570000	497000	604000	417000	1140000	909000	571000	406000	238000	472000	286000
28	329000	658000	537000	599000	454000	1170000	840000	575000	398000	252000	471000	283000
29	323000	762000	596000	531000	504000	1200000	759000	577000	380000	268000	461000	274000
30	309000	799000	644000	562000	---	1220000	679000	570000	360000	282000	447000	266000
31	311000	---	672000	542000	---	1240000	---	567000	---	278000	417000	---
TOTAL	14386000	15285000	20264000	17398000	10475000	24035000	32184000	14577000	14621000	10214000	10386000	8833000
MEAN	464100	509500	653700	561200	361200	775300	1073000	470200	487400	329500	335000	294400
MAX	643000	799000	885000	696000	511000	1240000	1250000	595000	630000	414000	472000	373000
MIN	309000	324000	490000	431000	275000	404000	679000	310000	356000	222000	246000	260000
CFSM	.50	.55	.70	.60	.39	.83	1.15	.50	.52	.35	.36	.32
IN.	.57	.61	.81	.69	.42	.96	1.28	.58	.58	.41	.41	.35

CAL YR 1979 TOTAL 261226000 MEAN 715700 MAX 1540000 MIN 309000 CFSM .77 IN 10.42
WTR YR 1980 TOTAL 192558000 MEAN 526400 MAX 1250000 MIN 222000 CFSM .56 IN 7.68

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.50	5.90	22.10	18.30	12.70	13.10	30.90	16.80	12.60	7.70	2.80	8.70
2	18.70	6.30	23.00	18.50	11.50	13.70	31.30	14.70	11.60	7.90	1.70	6.20
3	17.30	5.90	23.40	18.60	10.30	13.90	31.60	13.40	10.00	8.50	2.30	4.20
4	16.60	5.80	23.70	18.50	9.20	13.20	31.70	12.40	9.70	8.70	2.70	2.70
5	16.10	7.00	23.80	18.10	8.20	12.00	31.90	12.10	7.50	8.70	3.30	1.90
6	15.90	9.80	23.90	17.30	7.50	10.50	31.80	12.10	7.10	8.80	3.30	2.20
7	15.70	10.00	23.40	16.20	6.70	9.40	31.80	12.20	8.50	9.20	2.40	3.40
8	15.20	11.10	22.70	14.60	5.60	8.70	31.90	12.40	11.30	9.60	1.60	4.20
9	14.60	12.40	21.30	13.10	4.50	8.70	31.50	12.00	13.90	9.30	1.50	4.50
10	14.00	13.40	18.20	11.90	3.50	9.80	30.90	11.10	15.50	8.50	2.40	5.20
11	13.40	13.60	15.90	11.20	3.00	12.40	30.00	9.90	16.50	7.50	3.10	6.20
12	12.40	13.60	15.10	10.80	2.80	15.00	29.60	8.50	16.70	6.40	3.60	6.40
13	12.20	13.70	14.50	10.60	3.10	16.80	29.00	7.30	16.40	5.70	3.90	6.00
14	11.60	14.10	13.60	10.50	3.60	16.10	28.90	6.00	15.80	5.90	3.70	5.20
15	11.10	14.50	13.00	10.70	3.50	18.80	28.10	5.00	15.30	6.40	3.40	3.80
16	11.00	14.70	13.30	11.80	3.30	19.20	27.50	4.50	14.80	7.20	3.00	2.90
17	11.30	14.80	13.90	13.10	3.60	20.20	27.10	4.50	14.40	8.00	3.90	2.60
18	11.70	14.70	14.90	14.00	4.00	20.30	27.00	4.80	13.90	8.50	5.20	2.40
19	11.90	14.50	16.00	14.50	4.90	20.70	27.10	5.60	13.40	8.70	6.80	2.50
20	12.00	14.00	16.70	14.70	5.80	21.40	27.30	6.70	12.90	8.20	8.50	2.80
21	11.90	13.60	16.80	14.60	6.50	22.70	27.40	9.20	12.60	7.20	9.20	2.80
22	11.20	13.40	16.30	14.40	7.40	23.30	27.30	12.00	12.40	5.60	9.30	3.30
23	10.50	13.30	15.20	14.40	8.40	24.30	27.20	13.80	12.10	3.80	9.20	3.30
24	9.50	12.80	14.20	14.50	9.00	25.50	26.90	14.30	12.10	1.90	9.60	3.40
25	8.50	12.40	12.90	14.70	9.00	26.50	26.60	14.20	12.00	.60	10.70	3.60
26	7.40	12.70	12.10	15.00	9.00	27.30	26.10	13.90	11.20	.60	11.50	3.90
27	6.70	14.10	12.30	15.40	9.20	27.90	25.20	13.90	10.60	1.60	12.00	3.90
28	6.20	16.80	13.70	15.30	10.20	28.80	23.70	14.00	10.20	2.50	12.00	3.80
29	5.70	19.40	15.60	14.80	11.90	29.60	22.00	14.20	9.50	3.40	11.70	3.30
30	5.30	21.10	17.10	14.20	---	30.00	19.50	14.10	8.60	4.30	11.30	2.90
31	5.30	---	17.90	13.60	---	30.70	---	13.60	---	3.90	10.40	---
MEAN	11.71	12.61	17.36	14.45	6.82	19.11	28.27	10.94	12.26	6.23	6.00	3.94
MAX	19.50	21.10	23.90	18.60	12.70	30.70	31.90	16.80	16.70	9.60	12.00	8.70
MIN	5.30	5.80	12.10	10.50	2.80	8.70	19.50	4.50	7.10	.60	1.50	1.90

CAL YR 1979 MEAN 13.98 MAX 39.10 MIN 5.30
WTR YR 1980 MEAN 12.51 MAX 31.90 MIN .60

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on right bank at downstream side of bridge on State Highway 30, 0.8 mi (1.3 km) northeast of Etta, 3.8 mi (6.1 km) upstream from Puskus Creek, 5.0 mi (8.0 km) downstream from Locks Creek, 12.3 mi (19.8 km) west of New Albany, and 55.0 mi (88.5 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi² (1,362 km²).

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

REVISED RECORDS.--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft (83.357 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft (1.625 m) higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage; Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder; and Aug. 26, 1952, to June 22, 1953, nonrecording gage; all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 837 ft³/s (23.70 m³/s), 21.62 in/yr (549 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,000 ft³/s (2,240 m³/s) Mar. 22, 1955, gage height, 29.32 ft (8.937 m); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 3, 16, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,800 ft³/s (390 m³/s) Jan. 11, gage height, 24.08 ft (7.340 m), no peak above base of 16,000 ft³/s (453 m³/s); minimum daily, 22 ft³/s (0.62 m³/s) Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	27	2030	81	2300	703	318	480	2300	460	98	62
2	26	26	262	1630	800	540	3830	740	435	998	54	63
3	28	26	133	8290	489	454	4330	490	300	116	53	116
4	23	29	103	6040	432	400	967	400	3190	70	48	60
5	23	31	94	1260	330	362	1500	350	1180	218	46	45
6	24	29	75	560	453	330	879	330	236	89	732	41
7	22	27	71	382	359	485	516	320	182	59	295	38
8	23	27	68	284	354	323	1760	1300	141	52	58	36
9	26	28	61	271	5890	262	2040	430	111	66	54	34
10	26	28	59	446	2180	269	611	310	88	212	379	33
11	29	27	57	9470	831	280	466	250	76	175	3560	31
12	27	27	58	5300	630	265	387	220	69	203	1160	938
13	25	28	58	7270	529	250	327	190	72	69	236	5780
14	25	28	64	5010	443	245	242	170	65	60	2310	808
15	25	24	75	1230	408	1380	2100	150	56	54	583	238
16	25	29	62	683	1430	691	1100	140	68	50	207	820
17	25	31	58	529	925	497	520	130	32	49	165	176
18	95	30	59	468	509	858	2200	120	59	47	135	377
19	58	29	68	408	382	347	1200	110	47	53	97	765
20	33	31	62	366	327	275	800	100	42	93	77	230
21	27	33	126	1120	306	829	590	98	38	58	116	150
22	25	31	192	1170	256	563	500	94	38	52	209	120
23	27	31	216	499	234	332	450	170	42	121	73	100
24	29	35	115	443	232	275	400	120	37	81	59	88
25	27	35	92	440	211	248	370	6000	33	92	52	78
26	33	34	84	410	1050	229	1600	4500	30	49	69	70
27	52	252	79	2400	5240	187	900	1080	29	63	47	64
28	39	138	73	1100	1420	173	700	435	35	224	1640	60
29	31	56	65	640	---	166	600	304	71	128	429	56
30	29	82	61	700	---	163	520	244	37	67	95	52
31	27	---	72	580	---	232	---	560	---	135	51	---
TOTAL	960	1293	4790	59459	28915	12613	32759	20335	9791	4264	13297	11529
MEAN	31.0	43.1	155	1918	1033	407	1092	656	326	138	429	384
MAX	95	252	2030	9470	5890	1380	4330	6000	3190	998	3560	5780
MIN	22	26	57	81	211	166	242	94	29	47	46	31
CFSM	.06	.08	.30	3.65	1.96	.77	2.08	1.25	.62	.26	.82	.73
IN.	.07	.09	.34	4.21	2.04	.89	2.32	1.44	.69	.30	.94	.82

CAL YR 1981 TOTAL 95317 MEAN 261 MAX 4540 MIN 22 CFSM .50 IN 6.74
WTR YR 1982 TOTAL 199935 MEAN 548 MAX 9470 MIN 22 CFSM 1.04 IN 14.16

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream end of pier cap of bridge on State Highway 7, 1.5 mi 2.4 km) downstream from Burney Branch, 6 mi (10 km) south of Oxford, and at mi 42.3 (68.1 km).

DRAINAGE AREA.--262 mi² (679 km²).

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 267.20 ft (81.443 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1972, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--36 years, 383 ft³/s (10.85 m³/s), 19.85 in/yr (504 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,100 ft³/s (1,250 m³/s) Mar. 21, 1955, gage height, 28.72 ft (8.754 m), present datum, from rating curve extended above 22,000 ft³/s (623 m³/s); minimum, 4.4 ft³/s (0.12 m³/s) Sept. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,120 ft³/s (117 m³/s) Aug. 28, gage height, 17.99 ft (5.483 m); minimum daily, 10 ft³/s (0.28 m³/s) Oct. 3, 6, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	23	343	37	256	681	114	492	48	102	38	236
2	11	23	143	43	156	362	117	330	69	45	60	274
3	10	26	72	1960	132	232	2020	233	59	33	38	219
4	11	25	52	2640	118	185	1070	163	972	30	30	136
5	11	23	44	1640	100	155	859	150	521	107	26	105
6	10	22	40	939	116	137	766	127	328	180	52	95
7	10	21	40	472	116	173	504	132	156	79	121	91
8	11	21	38	230	105	185	299	429	113	50	30	83
9	14	22	36	163	1310	140	1150	372	37	40	43	67
10	15	22	36	128	750	119	904	175	70	34	34	57
11	14	22	35	97	596	108	725	130	59	43	1670	54
12	14	22	35	91	315	99	435	107	57	40	1430	1010
13	13	23	35	93	203	93	265	92	55	36	500	3160
14	13	32	41	87	159	84	173	83	50	31	150	2030
15	14	24	40	83	135	86	138	79	46	27	450	1000
16	15	23	37	97	256	108	865	71	61	25	1800	583
17	15	22	36	75	525	90	1640	62	69	26	500	354
18	273	22	33	79	357	92	1620	60	49	27	300	226
19	104	25	30	81	206	83	2390	68	40	34	139	163
20	47	25	30	189	154	75	2520	64	39	45	148	134
21	30	22	52	960	131	74	1650	53	42	33	258	107
22	24	22	62	623	111	121	1020	51	35	25	343	86
23	24	23	35	2010	96	108	661	55	31	23	146	75
24	23	25	64	1070	87	92	383	58	31	34	102	67
25	23	23	49	750	79	67	274	138	30	32	88	65
26	18	25	41	409	96	55	959	189	29	27	70	59
27	32	145	38	214	1190	43	1040	159	29	23	67	52
28	27	103	36	160	848	44	614	110	37	21	2730	48
29	25	56	34	129	---	40	462	84	73	39	2060	44
30	25	89	32	112	---	39	596	69	49	44	967	40
31	23	---	37	193	---	38	---	71	---	62	464	---
TOTAL	930	1001	1726	15466	3683	4017	25911	4439	3374	1395	15104	10722
MEAN	30.0	33.4	55.7	499	310	130	864	143	112	45.0	487	357
MAX	273	145	343	2640	1310	681	2520	492	972	180	2730	3160
MIN	10	21	30	37	79	38	116	51	29	21	26	40
CFSM	.12	.13	.21	1.91	1.18	.50	3.30	.55	.43	.17	1.86	1.36
IN.	.13	.14	.25	2.20	1.23	.57	3.68	.63	.48	.20	2.14	1.52

CAL YR 1981 TOTAL 39653.7 MEAN 109 MAX 1630 MIN 8.6 CFSM .42 IN 5.63
WTR YR 1982 TOTAL 92768.0 MEAN 254 MAX 3160 MIN 10 CFSM .97 IN 13.17

07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS

LOCATION.--Lat 34 25 30 , long 90 15 29 , in NW NE sec.33, T.7 S., R.10 W., Chickasaw Meridian, Quitman County, Hydrologic Unit 08030204, near center of span on downstream side of bridge on State Highway 315, 2.4 mi (3.9 km) west of Sledge and 3.1 mi (5.0 km) north of Falcon.

DRAINAGE AREA.--1,606 mi2 (3,535 km2).

PERIOD OF RECORD.--Water years 1980 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT								
06...	1630	1220	66	7.1	22.5	8.5	175	576
NOV								
03...	1600	859	70	7.2	17.0	9.5	122	283
DEC								
09...	1600	551	61	7.5	9.5	11.5	65	97
JAN								
06...	1300	1030	100	--	8.5	--	231	642
FEB								
11...	1715	5230	60	6.5	2.0	--	636	8980
MAY								
12...	1550	--	95	6.4	25.0	5.7	219	--
JUL								
22...	1000	--	150	6.8	30.5	--	165	--

07279300 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARBONATE (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)
OCT 06...	70	75	36	23	.00	5.1	2.4	5.0	29	.5	2.9	24

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT 06...	2.6	3.4	.2	5.9	62	42	.06	138	.11	.020	.13	.040

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
OCT 06...	.43	.47	.60	.140	.050	3100	20	3	1	<10	<10	1

DATE	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
OCT 06...	<1	30	2	10	3	4800	420	900	8	<10	10	220

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)
OCT 06...	10	1300	<.1	.03	14	<1	<1	50	7	5.2	4200

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07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT												
06...	<.10	3	<.10	<1.0	<.01	<.1	<.10	.0	<.01	85	<.01	24

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
OCT											
06...	<.01	51	.01	<.01	.2	<.01	<.1	<.01	.0	<.01	<.01

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT											
06...	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT											
06...	<.1	<.01	<.01	<.10	<1	<1.0	<.01	.02	<.01	.01	<.01

07279300 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT												
06...	70	75	36	23	.00	5.1	2.4	5.0	29	.5	2.9	24

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT												
06...	2.6	3.6	.2	5.9	42	42	.06	138	.11	.020	.13	.040

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
OCT												
06...	.43	.47	.60	.140	.050	3100	20	3	1	<10	<10	1

DATE	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
OCT												
06...	<1	30	2	10	3	4800	420	900	8	<10	10	220

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)
OCT											
06...	10	1300	<.1	.33	14	<1	<1	50	7	5.2	4200

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07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1981 TO OCTOBER 1982

DATE	OCT 6,81
TIME	1630
TOTAL CELLS/ML	4200
DIVERSITY: DIVISION	1.2
.CLASS	1.2
..ORDER	1.4
...FAMILY	1.8
....GENUS	2.5

ORGANISM	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)		
.BACILLARIOPHYCEAE		
..BACILLARIALES		
...NITZSCHIACEAE		
....NITZSCHIA	40	1
..EUPODISCALES		
...COSCINODISCACEAE		
....CYCLOTELLA	1300#	30
....MELOSIRA	1600#	38
..NAVICULALES		
...NAVICULACEAE		
....NAVICULA	*	0
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...CHLOROCOCCACEAE		
....SCHROEDERIA	60	1
...HYDRODICTYACEAE		
....PEDIASTRUM	360	9
...OOCYSTACEAE		
....ANKISTRODESMUS	60	1
....KIRCHNERIELLA	120	3
...PALMELLACEAE		
....SPHAEROCYSTIS	240	6
...SCENEDESMACEAE		
....SCENEDESMUS	40	1
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	40	1
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....ANACYSTIS	200	5
EUGLENOPHYTA (EUGLENOIDS)		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	120	3

07279937 DAVID BAYOU NEAR SLEDGE, MS

LOCATION.--Lat 34 25 14 , long 90 14 02 , in NE sec.3, T.8 S., R.10 W., Chickasaw Meridian, Quitman County, Hydrologic Unit 08030204, near center of span on upstream side of bridge on old State Highway 3, 1.1 mi (1.8 km) southwest of Sledge, and 0.8 mi (1.3 km) upstream from Burrell Bayou.

DRAINAGE AREA.--28.0 mi2 (72.5 km2).

PERIOD OF RECORD.--Water years 1980 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT								
07...	1000	--	797	7.8	16.0	3.9	198	--
NOV								
04...	0900	.10	800	7.8	17.0	4.2	129	.03
DEC								
10...	1000	.16	500	8.5	5.5	11.4	126	.05
JAN								
06...	1400	14	--	--	--	--	386	15
FEB								
11...	1300	73	690	6.2	4.0	--	570	112
MAY								
11...	--	.39	--	--	--	--	198	.21
JUL								
22...	1350	7.0	300	7.6	35.0	--	131	3.4

07279937 DAVID BAYOU NEAR SLEDGE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT												
07...	40	63	130	87	.00	21	8.3	150	78	7.2	6.2	310

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
OCT												
07...	9.5	60	1.1	11	513	454	.70	.11	.050	.16	.630	.03

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)
OCT												
07...	.66	.82	4.10	3.50	300	20	20	2	<10	<10	1	<1

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
OCT											
07...	20	4	10	4	3600	55	1000	7	<10	10	1700

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)
OCT											
07...	1400	470	.1	<.01	15	1	2	60	4	16	64000

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07273937 DAVID BAYOU NEAR SLEDGE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT												
07...	<.10	23	<.10	<1.0	<.01	<.1	<.10	<1.0	.01	3.4	<.01	3.9

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
OCT											
07...	<.01	12	.04	.01	11	<.01	<.1	<.01	.9	<.01	<.01

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT											
07...	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT											
07...	<.1	<.01	<.01	<.10	<1	<1.0	<.01	.03	<.01	.17	<.01

07279937 DAVID BAYOU NEAR SLEDGE, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1981 TO OCTOBER 1982

DATE	OCT 7,81
TIME	1000
TOTAL CELLS/ML	64000
DIVERSITY: DIVISION	1.7
.CLASS	1.7
..ORDER	2.4
...FAMILY	2.5
....GENUS	3.1

ORGANISM	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)		
.BACILLARIOPHYCEAE		
..ACHNANTHALES		
...ACHNANTHACEAE		
....ACHNANTHES	390	1
..BACILLARIALES		
...NITZSCHIACEAE		
....NITZSCHIA	3900	6
..EUPODISCALES		
...COSCINODISCACEAE		
....CYCLOTELLA	2700	4
..NAVICULALES		
...NAVICULACEAE		
....GYROSIGMA	390	1
....NAVICULA	2700	4
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	780	1
....CHODATELLA	390	1
....KIRCHNERIELLA	3500	6
...PALMELLACEAE		
....SPHAEROCYSTIS	5500	9
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	390	1
CRYPTOPHYTA (CRYPTOMONADS)		
.CRYPTOPHYCEAE		
..CRYPTOMONADALES		
...CRYPTOMONADACEAE		
....CRYPTOMONAS	780	1
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM	9400	15
....ANACYSTIS	22000#	34
..NOSTOCALES		
...NOSTOCACEAE		
....ANABAENA	5100	8
EUGLENOPHYTA (EUGLENOIDS)		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	5100	8
....TRACHELOMONAS	1200	2

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
      * - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07280270 TILLATOBA CREEK BELOW OAKLAND, MS

LOCATION.--Lat 33°59'40", long 89°57'10", in NE¼ sec.35, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, near right bank on downstream side of bridge on county road, 3.3 mi (5.3 km) west of Tillatoba, and 4.6 mi (7.4 km) southwest of Oakland.

DRAINAGE AREA.--37.1 mi² (96.1 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 220 ft (67 m) from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--8 years, 56.4 ft³/s (1.597 m³/s), 20.64 in/yr (524 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,600 ft³/s (215 m³/s) June 24, 1980, gage height, 14.93 ft (4.551 m), from floodmarks, from rating curve extended above 2,100 ft³/s (59 m³/s) on basis of contracted-opening measurement at gage height 14.93 ft (4.551 m); maximum gage height, 17.72 ft (5.401 m) Mar. 29, 1975; minimum daily, 0.08 ft³/s (0.002 m³/s) Sept. 24, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Apr. 4	0900	*6770	192	14.29	4.356	Sept. 12	1415	2210	62.6	9.32	2.841
Apr. 16	0730	2130	60.3	9.18	2.798						

Minimum daily discharge, 1.0 ft³/s (0.028 m³/s) Oct. 2-3, gage height, 1.11 ft (0.338 m).

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975, 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer. Water-quality records for this site are on page following water-discharge records for station 07280340.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	2.7	81	5.0	12	24	11	14	4.5	11	5.8	2.0
2	.96	2.3	16	26	10	19	1930	13	4.3	8.3	4.1	2.1
3	1.0	2.2	10	327	11	16	217	12	4.3	5.8	3.2	2.2
4	1.1	2.3	7.3	183	10	15	118	11	55	4.5	2.9	2.0
5	1.1	2.4	5.3	53	9.1	13	164	11	14	3.9	2.7	1.9
6	1.2	2.4	4.3	31	26	29	84	12	9.1	3.3	28	1.9
7	1.2	2.3	4.5	19	19	32	67	11	6.7	3.7	13	1.8
8	1.4	2.5	3.5	13	21	18	159	10	5.2	11	4.3	1.9
9	2.2	2.5	3.5	9.7	318	15	76	9.4	4.3	9.4	3.9	1.9
10	2.7	2.5	2.9	8.0	53	14	44	9.4	3.7	4.5	3.2	1.8
11	2.4	2.9	2.7	7.5	33	13	30	8.7	3.2	3.9	9.4	2.4
12	1.9	2.8	2.8	6.3	24	12	24	8.2	4.3	3.3	7.3	763
13	1.9	2.6	2.8	6.2	19	12	19	7.8	4.1	3.3	4.8	170
14	1.7	2.6	4.3	6.0	16	14	16	7.5	3.5	2.9	188	65
15	1.7	2.7	3.5	5.6	14	16	14	7.2	3.3	2.8	19	37
16	1.8	2.7	3.0	15	79	18	713	6.9	3.9	2.8	11	19
17	1.9	2.7	3.7	12	36	15	335	6.7	4.1	8.5	7.0	9.0
18	34	2.6	3.3	8.8	22	14	114	6.6	3.5	11	4.5	5.2
19	4.5	2.6	3.5	8.3	16	13	857	12	3.7	3.7	3.5	3.6
20	2.6	3.3	5.3	15	13	12	225	7.8	3.9	3.0	2.8	2.8
21	2.3	2.9	9.4	118	11	13	106	6.8	3.7	2.9	2.7	2.5
22	2.1	2.7	13	67	9.7	12	70	6.1	5.8	3.5	5.0	2.3
23	2.2	2.8	11	57	8.0	11	51	5.6	4.8	6.7	3.0	2.2
24	2.6	2.9	5.3	27	7.0	10	37	5.2	4.1	3.0	2.5	2.2
25	2.6	2.8	3.9	18	6.7	9.7	29	5.0	3.7	6.4	2.3	2.1
26	7.7	3.0	3.4	16	69	9.4	34	5.2	19	12	2.3	2.1
27	4.8	80	3.1	12	113	8.0	20	5.0	9.1	4.1	2.2	2.1
28	3.3	26	3.0	11	35	7.6	16	4.8	27	3.2	2.2	2.1
29	2.7	13	2.9	9.7	---	7.2	16	4.3	11	5.2	2.1	2.1
30	2.5	32	2.8	8.3	---	7.0	15	4.1	6.4	17	2.1	1.9
31	2.2	---	4.5	15	---	13	---	4.1	---	33	2.1	---
TOTAL	103.36	219.7	235.5	1124.4	1020.5	441.9	5611	248.4	243.2	212.6	356.9	1119.1
MEAN	3.33	7.32	7.60	36.3	36.4	14.3	187	8.01	8.11	6.86	11.5	37.3
MAX	34	80	81	327	318	32	1930	14	55	33	188	763
MIN	.96	2.2	2.7	5.0	6.7	7.0	11	4.1	3.2	2.8	2.1	1.8
CFSM	.09	.20	.21	.98	.98	.39	5.04	.22	.22	.19	.31	1.01
IN.	.10	.22	.24	1.13	1.02	.44	5.63	.25	.24	.21	.36	1.12

CAL YR 1981 TOTAL 5447.26 MEAN 14.9 MAX 664 MIN .96 CFSM .40 IN 5.46
WTR YR 1982 TOTAL 10935.56 MEAN 30.0 MAX 1930 MIN .96 CFSM .81 IN 10.96

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS

LOCATION.--Lat 33°58'42", long 89°58'45", in NE¼ sec.4, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on left bank, 80 ft (24 m) downstream from left end of bridge on county road, 1.9 mi (3.1 km) south of intersection of county road and Mississippi Highway 32, 4.8 mi (7.7 km) west of Tillatoba and 4.8 mi (7.7 km) east-southeast of Charleston.

DRAINAGE AREA.--53.9 mi² (140 km²).

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--July 1975 to current year.

GAGE.--Water-stage recorder. Datum of gage is 189.37 ft (57.720 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Doubtful gage-height record most of the year.

AVERAGE DISCHARGE.--7 years, 77.8 ft³/s (2.203 m³/s) 19.60 in/yr (498 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft³/s (312 m³/s) June 24, 1980, gage height 23.47 ft (7.154 m); minimum daily, 1.4 ft³/s (0.040 m³/s) Sept. 25, 26, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34.0 m³/s) and maximum(*).

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 3	Unknown	Unknown	--	Unknown	--
Apr. 2	Unknown	*10500	297	a21.86	6.66
Apr. 16	Unknown	4670	132	b14.70	4.48
Apr. 19	Unknown	2340	66.3	b10.30	3.14
Sept. 12	Unknown	4910	139	a15.10	4.60

Minimum daily discharge, 1.9 ft³/s (0.054 m³/s) Oct. 16.

a From floodmark.
b From reconstructed graph.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer. Water-quality records for this site are on following page.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	2.6	76	60	7.2	57	252	24	4.8	16	8.0	9.6
2	4.5	2.7	40	350	4.5	21	4570	21	4.4	10	5.4	9.0
3	3.1	2.9	18	1250	5.3	8.8	888	18	7.0	7.0	4.3	15
4	2.4	2.7	13	500	6.6	6.3	230	16	40	5.4	3.6	11
5	2.7	2.6	10	149	3.5	6.0	226	15	8.0	4.2	3.4	9.0
6	2.7	2.7	12	60	21	36	164	14	7.0	4.0	14	8.0
7	2.6	3.1	8.0	22	8.1	97	148	24	6.6	3.8	8.0	7.0
8	15	3.2	7.6	16	9.5	27	141	18	5.2	18	5.0	6.6
9	12	3.4	6.9	9.8	600	17	129	16	4.4	9.0	4.3	6.4
10	5.9	3.8	5.1	8.4	190	15	65	15	3.6	5.6	4.0	20
11	3.8	4.3	4.3	7.0	38	12	36	14	8.0	4.3	9.0	630
12	2.9	9.0	4.8	6.3	19	11	25	13	6.0	4.3	5.0	1450
13	2.3	5.0	5.1	6.4	12	10	35	12	5.0	4.0	20	520
14	2.1	3.4	9.7	6.0	8.5	9.5	19	11	4.0	3.8	600	268
15	2.0	3.6	24	5.4	7.3	9.0	18	16	3.8	3.6	139	176
16	1.9	4.1	12	25	212	9.5	2200	12	3.6	3.2	94	50
17	2.0	4.3	8.4	16	91	20	1240	9.6	10	4.4	41	40
18	10	3.8	6.6	10	50	9.0	388	11	8.0	17	29	25
19	30	3.6	4.8	8.0	28	7.5	1690	8.8	7.2	9.0	20	15
20	3.4	5.3	10	15	28	6.8	588	8.0	6.2	7.0	17	12
21	2.6	4.3	45	129	19	6.2	132	7.5	5.0	5.0	41	9.0
22	3.1	4.8	31	61	14	5.8	109	7.0	4.8	4.4	104	8.0
23	3.2	4.5	6.2	121	10	5.6	63	6.4	6.8	13	23	7.0
24	3.4	5.6	4.8	9.6	8.9	7.5	30	6.2	5.0	6.0	17	6.6
25	2.9	6.2	7.3	73	8.6	5.5	111	6.0	4.6	5.0	16	6.2
26	20	5.6	5.1	20	118	5.0	139	5.8	4.2	18	15	6.0
27	4.8	70	6.2	6.3	328	4.8	73	5.6	16	5.2	14	5.8
28	2.9	25	6.6	5.0	115	4.5	29	5.2	4.6	4.0	13	5.6
29	2.7	14	5.9	4.1	---	4.3	19	5.0	20	3.6	12	5.4
30	3.6	15	3.2	3.7	---	15	36	4.8	13	9.0	11	5.2
31	2.7	---	4.1	12	---	80	---	4.6	---	15	10	---
TOTAL	166.8	231.1	411.7	2973.5	1971.0	539.6	13793	360.5	236.8	232.3	1310.0	3352.4
MEAN	5.38	7.70	13.3	95.9	70.4	17.4	460	11.6	7.89	7.49	42.3	112
MAX	30	70	76	1250	600	97	4570	24	40	18	600	1450
MIN	1.9	2.6	3.2	3.7	3.5	4.3	18	4.6	3.6	3.2	3.4	5.2
CFSM	.10	.14	.25	1.78	1.31	.32	8.53	.22	.15	.14	.79	2.08
IN.	.12	.16	.28	2.05	1.36	.37	9.52	.25	.16	.16	.90	2.31

CAL YR 1981 TOTAL 10274.9 MEAN 28.2 MAX 544 MIN 1.4 CFSM .52 IN 7.09
WTR YR 1982 TOTAL 25573.7 MEAN 70.1 MAX 4570 MIN 1.9 CFSM 1.30 IN 17.65

07280270 TILLATOBA CREEK BELOW OAKLAND, MS

07280340 S F TILLATOBA CREEK NR CHARLESTON, MS

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

07280270 TILLATOBA CREEK BELOW OAKLAND, MS

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT				
21...	1900	2.2	80	.48
29...	1735	2.6	68	.43
NOV				
05...	0745	2.4	105	.68
11...	1005	2.7	89	.65
20...	1355	3.3	94	.84
25...	1530	2.7	78	.57
DEC				
02...	1450	13	115	4.0
09...	1500	3.0	85	.70
15...	1625	3.0	120	.97
23...	1515	9.7	233	6.1
30...	1615	2.8	90	.68
JAN				
03...	1235	151	1060	432
06...	1345	30	214	17
14...	1600	6.0	38	.62
21...	1540	180	1110	539
27...	1425	11	118	3.5
31...	1410	20	306	17
FEB				
03...	1515	11	118	3.5
10...	1410	47	258	33
16...	1045	172	1270	590
18...	1425	21	146	8.3
24...	1335	6.7	108	2.0
26...	1545	26	514	36
MAR				
04...	1550	15	226	9.2
10...	1435	14	150	5.7
17...	1400	14	194	7.3
24...	1625	12	101	3.3
APR				
02...	1005	6420	4330	75100
02...	1110	5950	3880	62300
02...	1305	5630	2480	37700
02...	1705	2520	2440	16600
07...	1820	64	343	59
08...	1530	375	2070	2100
15...	1345	14	543	21
17...	1425	342	1190	1100
18...	1630	100	414	112
19...	1330	1270	2200	7540
19...	1450	1460	1840	7250
21...	1410	99	410	110
26...	1615	35	452	43
28...	1315	18	187	9.1
MAY				
05...	1520	11	99	2.9
12...	1625	8.0	108	2.3
19...	1610	8.8	165	3.9
26...	1640	5.2	98	1.4
JUN				
02...	1635	4.3	78	.91
04...	1650	32	720	62
09...	1750	4.0	96	1.0
16...	1655	4.0	98	1.1
23...	1725	4.0	181	2.0
30...	1625	5.5	162	2.4
JUL				
07...	1655	3.3	93	.83
14...	1455	3.0	102	.83
21...	1515	2.9	84	.66
28...	1500	5.2	71	1.0
30...	1545	15	692	28
AUG				
04...	1535	2.9	102	.80
11...	1605	11	244	7.2
16...	1550	156	744	313
18...	1425	4.5	89	1.1
25...	1455	2.3	156	.97
SEP				
01...	1615	2.0	239	1.3
12...	1420	2200	4520	26800
12...	1500	2170	3440	20200
12...	1730	1460	1990	7840
15...	1505	31	248	21
29...	1625	2.0	27	.15

07280340 S F TILLATOBA CREEK NR CHARLESTON, MS

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT				
08...	1300	17	174	8.0
21...	1735	2.9	64	.50
NOV				
05...	0730	4.3	95	1.1
11...	0935	3.6	74	.72
20...	1335	6.2	80	1.3
25...	1510	5.9	80	1.3
DEC				
02...	1435	23	158	9.8
09...	1515	6.2	130	2.2
15...	1605	12	104	3.4
23...	1455	4.1	117	1.3
30...	1555	4.8	91	1.2
JAN				
03...	1200	402	1290	1400
06...	1325	64	199	34
14...	1550	11	40	1.2
21...	1525	903	2680	6530
27...	1410	6.2	130	2.2
31...	1355	20	165	8.9
FEB				
03...	1555	6.6	152	2.7
10...	1355	80	398	86
16...	1030	396	2620	2800
18...	1405	43	351	47
24...	1315	3.6	154	1.5
26...	1525	24	157	10
MAR				
04...	1510	5.9	199	3.2
10...	1415	5.3	108	1.5
17...	1330	5.6	138	2.1
24...	1655	6.9	106	2.0
APR				
01...	1625	4.8	112	1.5
01...	1630	7.3	172	3.4
02...	0750	7520	6420	130000
02...	0835	7960	5590	120000
02...	0940	8240	4200	93400
02...	1045	8750	3710	87600
02...	1200	9670	3850	101000
02...	1330	9740	3500	92000
02...	1645	7990	2790	60200
05...	1840	399	913	984
07...	1805	194	350	183
08...	1515	276	984	733
15...	1325	19	148	7.6
17...	1315	3690	3970	39600
17...	1405	1090	2700	7950
18...	1615	263	794	564
19...	1435	2330	2840	17900
21...	1430	216	694	405
26...	1555	135	458	167
28...	1335	27	192	14
MAY				
12...	1605	3.2	132	1.1
19...	1545	14	116	4.4
26...	1620	26	86	6.0
JUN				
02...	1315	6.6	90	1.6
04...	1635	185	728	364
09...	1730	8.0	86	1.9
16...	1630	21	130	7.4
23...	1705	12	132	4.3
28...	1515	21	208	12
30...	1605	103	105	29
JUL				
14...	1430	2.3	130	.81
21...	1455	137	253	94
28...	1430	8.4	187	4.2
30...	1530	271	4280	3130
AUG				
04...	1505	3.1	228	1.9
11...	1545	641	1990	3440
16...	1535	1000	2010	5430
18...	1440	29	116	9.1
25...	1435	33	106	9.4
SEP				
01...	1500	76	94	19
08...	1530	29	80	6.3
12...	1115	3520	2810	26700
12...	1355	3720	4460	44800
12...	1440	3860	4840	50400
15...	1440	169	322	147
22...	1515	9.0	127	3.1
29...	1605	5.2	26	.37

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mi (1.3 km) upstream from Topashaw Creek, 1.2 mi (1.9 km) south of Calhoun City, 1.5 mi (2.4 km) upstream from old channel, and 4.8 mi (7.7 km) upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi² (790 km²), combined drainage area of all channels.

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WRD Miss. 1970: 1969(M). WDR MS-78-1: 1977(P).

GAGE.--Water-stage recorder. Datum of gage is 226.06 ft (68.903 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft (3.048 m) higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft (23 m) downstream at same datum. Water-stage recorder on Topashaw Creek Canal, 2.5 mi (4.0 km) southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--Records poor. Doubtful gage-height record Oct. 1, Nov. 26, May 2, to June 21 on Topashaw Creek. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

AVERAGE DISCHARGE.--32 years, 401 ft³/s (11.36 m³/s), 17.86 in/yr (454 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,100 ft³/s (1,480 m³/s) Mar. 16, 1973; maximum gage height at river gage, 25.22 ft (7.687 m) Mar. 29, 1951 (present datum); no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,900 ft³/s (818 m³/s) Apr. 4, gage height, 23.12 ft (7.047 m); minimum daily, 0.34 ft³/s (0.010 m³/s) Nov. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.92	1.4	69	31	230	247	207	631	600	286	56	18
2	.77	1.1	48	43	139	126	13700	220	300	369	24	9.0
3	.66	1.0	23	8410	141	91	9330	140	100	73	15	6.4
4	.63	2.0	12	2570	146	72	1590	105	55	32	12	5.1
5	9.0	2.3	6.7	794	103	103	2290	85	40	20	9.0	4.1
6	1.5	1.8	4.5	299	115	471	1110	70	31	14	8.3	3.5
7	1.2	1.4	3.0	171	128	1110	560	469	26	63	8.6	3.0
8	1.1	1.1	2.3	113	117	433	230	583	22	25	7.2	2.7
9	5.8	.58	1.7	86	2170	192	148	609	20	17	6.2	2.4
10	83	.72	1.3	69	1030	117	126	210	18	31	5.3	2.2
11	9.6	.62	1.1	46	406	82	110	122	16	27	5.1	2.0
12	5.9	.56	2.1	40	228	61	95	84	14	92	6.6	10
13	4.0	.49	2.5	37	209	50	85	65	12	76	22	102
14	3.1	.45	43	36	159	99	75	53	50	25	455	40
15	2.4	.42	31	83	125	2490	115	42	24	18	713	26
16	2.0	.40	18	91	1190	1260	1680	38	116	28	813	17
17	1.7	.38	15	57	949	844	4970	32	29	16	111	12
18	16	.35	11	71	384	765	1800	28	18	9.9	47	10
19	3.0	.34	7.8	99	191	316	12100	25	14	7.2	23	7.8
20	2.2	.33	5.8	91	123	147	8600	22	11	5.6	14	5.8
21	1.7	.32	8.8	806	92	91	1740	21	8.6	4.8	10	4.6
22	1.3	.30	10	1200	69	63	430	97	107	4.5	8.4	3.7
23	1.7	.32	9.0	7170	57	50	290	39	89	4.0	7.0	3.0
24	1.2	.49	8.1	1630	51	42	206	54	50	3.5	6.2	2.8
25	5.3	.41	6.7	636	47	36	150	40	33	3.6	5.2	2.5
26	36	.43	5.4	291	118	32	120	330	228	5.1	4.7	2.4
27	5.1	.60	4.4	207	1330	29	102	710	158	4.1	4.2	2.2
28	3.2	1.0	3.6	169	640	26	82	230	66	3.4	3.8	2.1
29	2.8	1.3	2.9	132	---	23	284	114	73	5.0	3.5	2.0
30	2.0	6.5	2.3	104	---	22	1170	60	39	5.0	3.3	1.8
31	1.5	---	35	303	---	21	---	42	---	94	41	---
TOTAL	222.98	29.70	405.0	25940	10737	9511	63495	5370	2367.6	1373.5	2458.6	316.1
MEAN	7.19	.99	13.1	837	383	307	2117	173	78.9	44.3	79.3	10.5
MAX	83	6.5	69	8410	2170	2490	13700	710	600	369	813	102
MIN	.63	.30	1.1	31	47	21	75	21	8.6	3.4	3.3	1.8
CFSM	.02	.003	.04	2.74	1.26	1.01	6.94	.57	.26	.15	.26	.03
IN.	.03	.00	.05	3.16	1.31	1.16	7.74	.65	.29	.17	.30	.04

CAL YR 1981 TOTAL 31833.33 MEAN 87.2 MAX 4610 MIN .30 CFSM .29 IN 3.88
WTR YR 1982 TOTAL 122226.48 MEAN 335 MAX 13700 MIN .30 CFSM 1.10 IN 14.91

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left (revised) bank on downstream side of bridge on State Highway 9, 1 mi (1.6 km) south of Bruce.

DRAINAGE AREA.--254 mi² (658 km²).

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.75 ft (69.723 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 ft (3.048 m) higher. October 1947 to Aug. 30, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955, to Sept. 12, 1958, nonrecording gage at same site.

REMARKS.--Records good.

AVERAGE DISCHARGE.--35 years, 363 ft³/s (10.28 m³/s), 19.41 in/yr (493 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,400 ft³/s (1,740 m³/s) Mar. 21, 1955, gage height, 34.11 ft (10.397 m), present datum, from rating curve extended above 19,000 ft³/s (538 m³/s) on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 ft³/s (0.025 m³/s) Aug. 18, 1954.

EXTREMES FOR CURRENT YEAR.-- Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 3	Unknown	7710	218	a16.70	5.09	Apr. 2	1415	*18700	530	22.49	6.86
Jan. 23	Unknown	13400	379	a19.93	6.07	Apr. 16	1500	9220	261	17.67	5.39
Feb. 9	1000	6130	174	15.55	4.74	Apr. 17	1245	9020	255	17.55	5.35
Feb. 16	2200	9890	280	18.07	5.51	Apr. 19	1530	12600	357	19.55	5.96

Minimum daily, 4.1 ft³/s (0.116 m³/s) Oct. 31.

a From floodmark.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	3.8	127	12	228	193	143	252	339	173	17	31
2	6.2	3.6	44	19	141	141	8330	160	95	61	6.6	38
3	5.9	3.6	17	6280	172	113	2290	120	48	30	6.2	79
4	5.9	3.7	11	2110	169	99	402	100	227	22	4.9	33
5	5.9	3.8	7.9	260	110	93	1820	89	201	18	4.4	25
6	5.2	4.4	7.9	136	157	150	582	75	65	19	135	22
7	5.2	3.3	7.5	99	143	454	273	364	43	18	52	20
8	5.2	3.8	7.2	73	112	169	817	669	34	16	20	20
9	7.5	3.3	6.5	61	3200	113	1050	152	30	52	21	19
10	10	3.6	6.5	47	537	93	286	96	26	29	50	18
11	9.4	3.8	6.5	40	270	84	198	75	23	100	623	19
12	8.6	4.1	6.5	55	206	74	156	63	23	198	595	1250
13	7.9	4.4	5.9	51	196	69	126	56	25	36	125	1690
14	7.2	4.4	6.2	47	152	66	116	51	23	20	1940	111
15	7.2	4.6	7.9	47	130	105	104	50	22	13	736	55
16	6.9	4.6	8.3	62	758	195	4330	49	26	6.3	731	60
17	6.8	4.6	6.3	55	501	153	5060	43	27	5.9	145	52
18	25	4.6	8.6	51	224	173	1090	40	23	5.9	92	30
19	25	4.6	8.3	52	149	100	6540	39	21	7.9	56	22
20	10	4.6	7.9	73	116	77	4460	37	20	6.5	51	18
21	6.2	4.4	11	1760	100	65	643	36	18	33	43	16
22	4.9	4.4	25	933	84	75	337	34	28	11	62	13
23	4.6	4.4	23	7550	74	62	234	34	23	6.2	42	12
24	4.6	4.4	17	533	68	54	197	39	20	5.2	34	12
25	4.6	4.4	12	231	63	49	154	63	18	5.2	30	12
26	5.2	4.4	9.8	143	198	41	347	122	28	5.2	27	12
27	6.8	22	9.4	106	1710	36	331	90	30	4.9	26	12
28	6.5	34	9.4	92	347	34	191	43	62	6.5	25	11
29	5.2	11	8.3	80	---	33	359	37	125	26	55	10
30	4.6	13	7.9	71	---	32	740	31	41	23	41	9.8
31	4.1	---	9.4	364	---	43	---	109	---	81	48	---
TOTAL	234.4	188.2	459.1	21493	10435	3247	41736	3226	1734	1045.2	5826.1	3731.8
MEAN	7.56	6.27	14.8	693	373	105	1391	104	57.8	33.7	188	124
MAX	25	34	127	7550	3200	454	8330	669	339	198	1940	1690
MIN	4.1	3.3	5.9	12	63	32	104	31	18	4.9	4.4	9.8
CFSM	.03	.03	.06	2.73	1.47	.41	5.48	.41	.23	.13	.74	.49
IN.	.03	.03	.07	3.15	1.53	.48	6.11	.47	.25	.15	.85	.55

CAL YR 1981 TOTAL 20440.5 MEAN 56.0 MAX 1940 MIN 3.3 CFSM .22 IN 2.99
WTR YR 1982 TOTAL 93355.8 MEAN 256 MAX 8330 MIN 3.3 CFSM 1.01 IN 13.67

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS

(National stream-quality accounting network station)

LOCATION.--Lat 33 23 48 , long 90 16 19 , in NW sec. 26, T.18 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on downstream side of Poindexter Bridge on county road at Phillipstown, 1.8 mi (2.9 km) east of Shell Bluff, 2.5 mi (4.0 km) east of intersection of county road and State Highway 7, 4.8 mi (7.7 km) east of Morgan City, and at mile 149.8 (241.0 km).

DRAINAGE AREA.--7,650 mi2 (19,810 km2), approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1977 to September 1978, October 1979 to September 1980.
WATER TEMPERATURE: October 1977 to August 1981.

REMARKS.--Prior to July 27, 1979, daily values of specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. After July 27, 1979, and prior to June 5, 1980, daily values of specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Stage-discharge relation based on intermittent discharge measurements furnished by Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT												
26...	1100	8580	79	6.9	16.0	34	8.6	--	>500	25	5.0	6.6
JAN												
05...	1200	13300	59	6.9	11.5	230	8.6	K2200	>500	16	1.0	3.9
MAR												
09...	1100	7320	85	7.0	9.0	150	9.8	1100	1500	27	2.0	6.6
MAY												
19...	1100	4400	150	7.0	23.5	160	7.6	--	>500	57	.00	15
JUL												
12...	1200	7940	90	7.3	28.0	120	6.7	--	--	23	4.0	7.4
SEP												
29...	1100	8870	73	7.2	21.5	57	8.2	200	K31	21	3.0	5.3

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT											
26...	2.0	4.5	27	.4	1.9	20	8.6	6.8	<.1	4.0	50
JAN											
05...	1.5	3.5	28	.4	2.3	15	5.2	3.3	<.1	5.3	47
MAR											
09...	2.6	4.7	25	.4	2.8	25	6.8	3.4	<.1	8.5	66
MAY											
19...	4.7	5.9	18	.4	2.8	59	8.0	5.3	.1	10	95
JUL											
12...	2.4	4.8	24	.4	3.9	24	9.0	5.5	.2	7.2	66
SEP											
29...	2.0	4.3	27	.4	2.9	18	9.0	3.9	.2	5.3	51

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT											
26...	65	.07	1160	.14	.150	.64	.100	.030	.020	119	2760
JAN											
05...	35	.06	1690	.33	.100	.76	.310	.050	.020	437	15700
MAR											
09...	51	.09	1300	.41	.120	.95	.250	.030	.020	238	4700
MAY											
19...	98	.13	1130	.53	.080	.50	.240	.050	.030	358	4250
JUL											
12...	55	.09	1410	.31	.060	.60	.350	.040	.050	207	4440
SEP											
29...	44	.07	1220	.16	.030	.40	.130	.030	.010	142	3400

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT										
26...	2	1	1	100	80	20	5	4	1	20
MAY										
19...	5	3	2	200	100	59	2	--	<1	30

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
OCT										
26...	10	10	<1	--	<1	10	8	2	1900	1900
MAY										
19...	10	20	5	4	1	11	7	4	6200	6200

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
OCT										
26...	13	12	--	<1	250	240	13	.3	.2	.1
MAY										
19...	39	13	12	1	440	330	110	.4	--	<.1

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT										
26...	6	3	3	<1	<1	<1	<1	60	60	4
MAY										
19...	12	1	11	<1	<1	<1	<1	50	40	9

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 26...	--	<1	--	<1.0	--	<.1	--	<1.0	--	2.0	--	1.3
MAR 09...	<.10	--	<.10	--	<.01	--	<.10	--	<.01	--	<.01	--
MAY 19...	<.10	<1	<.10	<1.0	<.01	<.1	<.10	<1.0	.01	.9	<.01	.6

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
OCT 26...	--	.5	--	--	<.1	--	<.1	--	<.1	--	--
MAR 09...	.02	--	.02	<.01	--	<.01	--	<.01	--	<.01	<.01
MAY 19...	.10	2.2	.01	.02	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 26...	<.1	--	<.1	--	<.1	--	--	<.1	--	--	--
MAR 09...	--	<.01	--	<.01	--	<.01	<.01	--	<.01	<.01	<.01
MAY 19...	<.1	<.01	<.1	<.01	<.1	.05	<.01	<.1	<.01	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 26...	<.1	--	--	<.10	--	<1.0	--	--	--	--	--
MAR 09...	--	<.01	<.01	--	<1	--	<.01	.06	<.01	.01	<.01
MAY 19...	<.1	<.01	<.10	<1.00	<1	<10	<.01	.04	<.01	.01	<.01

07288300 YAZOO RIVER AT REDWOOD, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32 29 16 , long 90 49 02 , on line between secs.1 and 4, T.17 N., R.4 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, at downstream side of Illinois Central Gulf Railroad bridge, 0.6 mi (1.0 km) downstream from U.S. Highway 61, 1.0 mi (1.6 km) northwest of Redwood, and at mile 16.7 (26.9 km).

DRAINAGE AREA.--12,603 mi2 (32,642 km2).

PERIOD OF RECORD.--Water years 1961-62, 1972 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1979 to September 1980.
WATER TEMPERATURE: October 1978 to September 1981.

REMARKS.--Prior to October 2, 1980, daily values of specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 29...	1400	7700	92	7.1	17.5	21	7.5	240	170	34	5.0	8.9
JAN 06...	1430	59000	93	6.7	17.0	350	5.8	640	>500	30	1.0	7.6
MAR 10...	1300	9840	112	7.5	11.0	150	8.2	130	410	37	3.0	9.2
MAY 24...	1700	52300	175	7.1	25.5	90	4.6	--	>500	62	.00	15
JUL 15...	1430	--	125	6.9	30.0	170	6.7	--	--	38	1.0	10

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 29...	2.8	7.1	30	.6	2.0	29	9.6	5.9	.1	5.1	62
JAN 06...	2.6	5.4	26	.4	3.0	29	8.1	3.6	.1	5.8	57
MAR 10...	3.3	6.7	27	.5	3.0	34	10	6.4	<.1	7.3	103
MAY 24...	5.4	9.1	23	.5	3.0	64	8.0	7.2	.2	11	118
JUL 15...	3.2	6.0	24	.4	2.4	37	10	4.6	.2	7.7	84

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT 29...	59	.08	1290	.17	.030	.61	.190	.030	.020	144	2990
JAN 06...	54	.09	--	.74	.120	1.30	.450	.030	.020	917	--
MAR 10...	67	.14	2740	1.0	.330	1.30	.270	.060	.050	174	4620
MAY 24...	99	.16	--	.57	.010	.55	.250	.050	.040	196	--
JUL 15...	67	.11	--	.74	.100	.60	.440	.070	.050	354	--

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT 29...	2	1	1	100	60	40	1	--	<1	20
MAY 24...	3	2	1	100	30	56	3	0	3	20

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
OCT 29...	10	10	1	--	<1	11	8	3	4100	4000
MAY 24...	10	10	4	2	2	8	1	7	5800	5700

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
OCT 29...	84	11	--	<1	290	270	19	.5	--	<.1
MAY 24...	97	5	4	1	180	140	40	.1	.0	.1

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 29...	8	7	1	<1	<1	<1	<1	150	--	<4
MAY 24...	6	2	4	<1	<1	<1	<1	110	100	13

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°18'45", long 90°54'25", in sec.32, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,140,500 mi^2 (2,953,90 km^2), approximately. The 4,000 mi^2 (10,400 km^2), approximately, in the Great Divide basin in Southern Wyoming is not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to September 1981. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1977 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; January 1968 to December 1976, referred to gage 1.1 mi (1.8 km) upstream and since January 1977 referred to gage at mile 437.0, in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder (bridge gage) operated by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968, to Dec. 31, 1976, on left bank at site 1.1 mi (1.8 km) upstream, and since January 1977 on left bank at downstream side of Interstate 20 bridge, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft (490 m) upstream from mouth. Gages used by National Weather Service; May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mi (0.8 km) upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968, to Dec. 31, 1976, on left bank at site 1.1 mi (1.8 km) upstream, and since Jan. 1, 1977, on left bank at downstream side of Interstate 20 bridge.

All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Records of gage-height and daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--53 years, 573,900 ft^3/s (16,253 m^3/s), 415,790,000 acre-ft/yr (513 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080,000 ft^3/s (58,900 m^3/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft^3/s (2,820 m^3/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft (17.80 m), Corps of Engineers gage on Yazoo diversion canal; approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

EXTREMES FOR WATER YEAR 1981.--Maximum daily discharge, 956,000 ft^3/s (27,100 m^3/s) June 2; maximum gage height, 32.40 ft (9.876 m) June 15, at bridge gage, 32.5 ft (9.91 m) June 14, 15, 16, at supplementary recorder; minimum daily discharge, 160,000 ft^3/s (4,530 m^3/s) Jan. 29; minimum gage height, -0.9 ft (-0.27 m) Jan. 24, 25, at supplementary recorder.

NOTE.--Records for 1982 water year will be published in a subsequent report.

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319000	230000	315000	201000	170000	540000	311000	661000	950000	764000	569000	339000
2	320000	239000	316000	200000	185000	554000	321000	650000	956000	734000	580000	331000
3	324000	243000	315000	196000	195000	571000	334000	629000	943000	726000	595000	325000
4	324000	245000	317000	192000	205000	597000	340000	593000	929000	714000	612000	318000
5	320000	249000	318000	187000	220000	630000	342000	548000	893000	708000	636000	311000
6	311000	251000	319000	178000	237000	693000	344000	500000	869000	697000	653000	310000
7	305000	253000	320000	170000	250000	712000	350000	477000	843000	680000	661000	317000
8	298000	256000	320000	171000	268000	730000	365000	470000	843000	660000	652000	345000
9	297000	258000	320000	179000	283000	727000	374000	466000	847000	637000	637000	370000
10	292000	260000	319000	188000	315000	713000	373000	470000	858000	618000	614000	408000
11	295000	255000	317000	185000	346000	691000	372000	481000	872000	612000	592000	428000
12	294000	248000	314000	178000	390000	654000	375000	486000	897000	620000	565000	433000
13	293000	240000	314000	171000	433000	640000	384000	492000	915000	659000	540000	441000
14	284000	237000	310000	169000	443000	609000	399000	494000	925000	671000	523000	447000
15	273000	230000	311000	168000	423000	580000	419000	482000	923000	672000	503000	443000
16	267000	234000	310000	165000	398000	544000	426000	471000	932000	650000	483000	431000
17	244000	236000	325000	167000	379000	520000	421000	473000	933000	623000	471000	409000
18	239000	239000	350000	168000	376000	490000	404000	487000	934000	593000	452000	379000
19	224000	242000	362000	168000	377000	458000	401000	501000	934000	560000	437000	360000
20	213000	245000	375000	170000	380000	435000	409000	520000	925000	530000	421000	346000
21	205000	250000	380000	170000	373000	409000	430000	542000	912000	500000	403000	332000
22	203000	258000	373000	170000	377000	380000	477000	567000	903000	480000	402000	327000
23	201000	262000	365000	169000	379000	360000	519000	590000	892000	468000	396000	320000
24	216000	269000	345000	169000	385000	348000	553000	629000	873000	459000	393000	316000
25	221000	275000	330000	169000	401000	339000	572000	689000	861000	450000	389000	307000
26	225000	282000	305000	169000	427000	330000	591000	789000	843000	453000	383000	297000
27	235000	295000	285000	167000	464000	322000	601000	845000	834000	491000	387000	288000
28	234000	301000	262000	163000	490000	315000	640000	891000	819000	510000	384000	278000
29	233000	306000	242000	160000	---	309000	658000	916000	805000	524000	377000	270000
30	230000	314000	220000	161000	---	308000	663000	930000	787000	539000	365000	260000
31	228000	---	200000	162000	---	307000	---	945000	---	552000	344000	---
TOTAL	8168000	7702000	9779000	5400000	9589000	15827000	13168000	18684000	26671000	18554000	15433000	10485000
MEAN	263500	256700	315500	174200	342500	510500	438900	602700	889000	598500	497700	349500
MAX	324000	314000	380000	201000	490000	730000	663000	945000	956000	764000	661000	447000
MIN	201000	230000	200000	160000	170000	307000	311000	466000	787000	450000	344000	260000
AC-FT	16200000	15280000	19400000	10710000	19020000	31390000	26120000	37060000	52900000	36800000	30610000	20800000

CAL YR 1980 TOTAL 194311000 MEAN 530900 MAX 1370000 MIN 200000 AC-FT 385400000
WTR YR 1981 TOTAL 159457000 MEAN 436900 MAX 956000 MIN 160000 AC-FT 316300000

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07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.40	4.60	7.50	2.50	-.30	16.40	7.20	22.40	31.20	27.40	19.40	9.80
2	10.50	4.70	8.00	2.20	.30	17.60	7.50	22.30	31.20	27.20	20.00	9.50
3	10.50	5.40	8.30	1.80	1.00	18.80	8.00	21.80	31.00	26.80	20.70	9.10
4	10.20	6.10	8.80	1.20	2.00	19.30	8.00	21.00	30.70	26.30	21.40	8.80
5	9.60	6.40	9.10	1.00	2.70	21.40	8.20	20.00	30.30	25.70	22.10	8.60
6	9.30	6.40	9.30	.60	3.50	22.50	8.60	19.00	29.90	25.20	22.80	9.00
7	9.20	6.30	9.50	.60	4.30	23.20	9.00	18.00	29.90	24.50	23.20	9.70
8	9.30	6.30	9.30	.60	5.20	23.60	10.00	16.90	30.20	24.10	23.10	10.50
9	9.00	6.20	8.90	.70	6.50	23.60	10.80	16.00	30.50	23.60	22.60	11.70
10	8.30	6.00	8.20	.90	8.20	23.40	11.00	15.50	30.90	23.20	21.90	12.60
11	8.50	5.90	7.80	.70	10.20	22.90	10.60	15.40	31.40	22.90	20.80	13.40
12	8.30	5.70	7.90	.50	11.30	22.20	10.60	15.70	31.80	22.90	19.40	13.90
13	7.30	5.50	8.10	.10	12.80	21.40	11.30	16.10	32.20	23.20	18.20	14.10
14	7.60	5.20	8.20	-.30	13.10	20.50	12.00	16.50	32.50	23.60	17.50	14.40
15	7.40	4.90	8.10	-.50	12.70	19.70	12.50	16.30	32.50	23.80	17.60	14.10
16	7.00	4.50	8.00	-.30	11.90	19.00	12.90	15.80	32.50	23.70	16.40	13.50
17	6.10	4.90	8.20	-.40	11.20	18.00	12.30	15.50	32.40	23.10	16.10	12.80
18	5.50	4.90	9.90	-.40	10.60	17.00	12.40	15.60	32.20	22.00	15.70	11.90
19	5.20	5.00	11.30	-.40	10.30	15.90	12.10	16.50	32.20	20.70	15.30	10.80
20	4.80	5.50	12.00	-.50	10.10	14.50	12.20	17.50	32.20	19.20	14.50	10.60
21	4.30	6.50	12.00	-.60	10.20	13.00	13.00	18.50	32.20	17.70	13.80	9.30
22	4.30	6.80	11.20	-.70	10.30	11.80	14.50	19.10	32.10	16.60	13.30	8.90
23	4.30	6.90	10.30	-.80	10.30	10.50	16.30	20.00	31.80	15.90	13.00	8.70
24	4.00	7.00	9.10	-.90	10.40	9.20	17.90	21.50	31.40	15.20	12.70	8.10
25	4.30	7.10	8.00	-.90	10.70	8.50	19.30	23.60	31.00	15.40	12.30	7.60
26	4.80	7.50	7.00	-.80	11.70	8.00	20.10	25.90	30.80	15.50	12.00	7.40
27	4.70	7.90	6.10	-.80	13.30	7.80	20.90	27.70	30.30	16.20	11.80	7.00
28	5.00	8.00	5.60	-.80	15.10	7.50	21.50	29.30	29.70	16.80	11.30	6.50
29	4.90	8.00	4.70	-.70	---	7.20	22.00	30.10	29.00	17.60	10.80	6.20
30	4.90	8.00	3.70	-.70	---	7.20	22.40	30.60	28.20	18.40	10.30	5.60
31	4.90	---	2.90	-.60	---	7.00	---	31.00	---	19.00	10.00	---
MEAN	6.93	6.14	8.29	.07	8.58	16.10	13.19	20.36	31.14	21.40	16.76	10.13
MAX	10.50	8.00	12.00	2.50	15.10	23.60	22.40	31.00	32.50	27.40	23.20	14.40
MIN	4.00	4.50	2.90	-.90	-.30	7.00	7.20	15.40	28.20	15.20	10.00	5.60

CAL YR 1980 MEAN 17.08 MAX 40.50 MIN 2.90
WTR YR 1981 MEAN 13.28 MAX 32.50 MIN -.90

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962, 1972 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1979 to September 1981.
WATER TEMPERATURE: October 1976 to September 1977, October 1980 to September 1982.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1973.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 530 micromhos Jan. 17, 1981; minimum, 257 micromhos June 15, 1981.
WATER TEMPERATURE: Maximum, 31.0 C July 14-15, 1977, July 20-28, 1981; minimum, 0.0 C Jan. 15-27, Feb. 1-2, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 566 micromhos Jul. 2, 1977; minimum, 200 micromhos Dec. 17, 19-20, 1977.
WATER TEMPERATURE: Maximum, 32.0 C July 13, 1973; minimum, 2.0 C Jan. 10-12, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 32.5 C Aug. 4; minimum, 1.5 C Jan. 18.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 29...	1200	332000	502	7.8	15.0	36	7.4	220	150	199	59	50
JAN 06...	1200	432000	386	7.7	6.0	95	10.3	1200	370	149	50	40
MAR 10...	1100	1090000	236	7.5	7.0	90	9.5	190	230	114	31	31
MAY 24...	1200	545000	473	7.5	24.0	75	7.3	--	>500	165	47	43
JUL 15...	1200	679000	440	--	27.0	160	7.2	--	--	154	38	42

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 29...	18	23	20	.7	3.4	140	69	26	.3	3.7	298
JAN 06...	12	21	23	.9	2.9	99	56	23	.2	5.6	245
MAR 10...	9.0	11	17	.5	3.2	83	32	13	.2	6.6	185
MAY 24...	14	26	24	.9	3.2	118	48	32	.2	4.6	273
JUL 15...	12	20	22	.7	3.4	116	45	22	.2	7.5	--

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT 29...	278	.41	267000	1.5	.010	1.20	.190	.080	.090	170	152000
JAN 06...	220	.33	317000	1.4	.140	.46	.210	.060	.040	485	632000
MAR 10...	156	.25	544000	1.6	.160	.92	.180	.060	.060	234	689000
MAY 24...	240	.37	402000	.35	.020	.52	.180	.080	.010	--	--
JUL 15...	222	.30	407000	2.2	.060	1.70	.460	.100	.030	726	1330000

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
OCT 29...	3	1	2	100	20	80	1	--	<1	20
MAY 24...	3	2	1	100	20	80	2	0	2	10

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)
OCT 29...	10	10	<1	--	<1	10	3	2	2000	2000
MAY 24...	--	<10	5	3	2	13	7	6	5800	5800

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
OCT 29...	10	13	--	<1	190	190	3	.2	--	<.1
MAY 24...	29	5	3	2	280	270	7	.2	.0	.2

DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 29...	7	6	1	<1	<1	<1	<1	60	<4
MAY 24...	12	10	2	<1	<1	<1	<1	100	<3

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	509	503	506	505	497	501	507	491	498	386	380	383
2	503	498	500	504	501	503	495	491	494	387	376	381
3	516	500	508	499	486	491	502	492	495	385	365	379
4	526	515	520	516	489	502	521	510	516	385	373	377
5	532	526	530	546	518	535	526	522	524	381	369	373
6	530	517	526	548	536	544	530	521	526	391	336	350
7	517	511	514	535	514	523	522	509	516	335	310	321
8	524	515	520	519	513	515	511	482	496	312	308	309
9	524	515	521	531	519	526	483	456	466	309	305	306
10	516	503	511	531	525	529	459	449	454	306	305	305
11	509	500	505	524	515	520	454	433	444	304	289	297
12	510	499	503	515	505	511	448	429	440	289	281	284
13	516	510	512	517	503	510	453	435	444	285	282	284
14	527	514	520	521	513	518	453	429	438	289	273	283
15	531	526	529	512	479	495	454	437	447	294	273	285
16	525	515	518	478	453	467	455	443	452	295	281	288
17	539	515	528	456	451	453	454	446	450	305	289	297
18	546	539	542	456	451	454	448	437	442	321	304	312
19	557	543	553	457	455	456	450	439	446	336	309	321
20	563	557	561	456	451	454	443	432	437	362	327	349
21	563	562	565	454	450	452	435	430	431	375	352	360
22	567	550	561	465	454	458	444	435	441	371	358	364
23	550	538	542	476	465	471	446	436	442	---	---	---
24	539	535	536	487	477	482	438	430	433	---	---	---
25	536	527	531	499	488	493	433	430	431	---	---	---
26	530	527	529	506	498	503	436	430	434	---	---	---
27	532	523	530	509	502	506	437	433	435	---	---	---
28	529	524	526	507	499	504	437	409	433	371	342	355
29	530	523	526	499	484	492	432	418	425	357	328	337
30	531	525	529	512	480	497	420	415	418	351	329	343
31	524	505	514	---	---	---	407	391	400	336	327	331
MONTH	563	498	526	548	450	476	530	391	456	391	273	330

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	329	324	327	---	---	---	336	317	329	359	349	354
2	343	330	337	---	---	---	330	315	320	354	343	350
3	364	341	351	---	---	---	328	318	325	363	347	356
4	382	364	375	---	---	---	335	319	327	367	360	364
5	369	350	360	---	---	---	332	324	328	374	359	366
6	353	299	344	---	---	---	331	313	325	377	368	373
7	345	337	342	---	---	---	339	314	329	379	372	376
8	345	338	342	---	---	---	340	322	334	384	372	378
9	339	329	335	---	---	---	346	335	341	386	374	379
10	323	312	320	---	---	---	349	341	345	386	366	380
11	310	298	303	---	---	---	350	334	344	368	358	362
12	293	288	293	---	---	---	348	326	340	362	344	352
13	288	281	285	---	---	---	346	326	336	343	334	339
14	281	277	279	---	---	---	337	326	332	336	329	334
15	289	277	286	---	---	---	344	325	336	404	330	376
16	293	287	290	---	---	---	345	323	336	409	404	406
17	294	285	290	---	---	---	340	321	331	427	407	418
18	292	283	288	---	---	---	341	323	332	443	427	436
19	287	279	283	---	---	---	334	307	319	475	443	460
20	284	278	281	---	---	---	314	297	307	494	476	487
21	282	274	280	---	---	---	314	290	301	491	463	477
22	285	277	281	---	---	---	321	296	309	459	439	449
23	293	281	286	---	---	---	333	314	325	443	439	441
24	308	291	299	---	---	---	368	328	348	458	443	450
25	313	307	310	---	---	---	368	339	358	472	457	465
26	314	306	312	---	---	---	365	346	356	488	472	480
27	309	303	306	---	---	---	370	345	359	491	486	489
28	---	---	---	---	---	---	361	354	357	---	---	---
29	---	---	---	333	329	331	363	354	357	---	---	---
30	---	---	---	336	317	328	359	350	355	---	---	---
31	---	---	---	331	318	328	---	---	---	---	---	---
MONTH	382	274	311	336	317	329	370	290	335	494	329	404

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	444	439	441	---	---	---	361	355	358
2	---	---	---	440	434	439	371	360	362	365	359	363
3	---	---	---	440	435	437	387	344	372	365	359	364
4	---	---	---	436	428	432	398	387	394	372	356	362
5	---	---	---	428	422	425	413	397	407	380	372	376
6	---	---	---	429	415	425	421	411	416	407	376	391
7	---	---	---	415	395	407	426	410	421	431	407	420
8	---	---	---	419	365	392	431	426	429	427	385	411
9	---	---	---	367	365	366	432	429	430	383	354	363
10	---	---	---	371	367	369	437	428	433	370	355	362
11	---	---	---	375	371	373	444	434	439	375	363	373
12	---	---	---	382	374	375	454	444	449	373	351	362
13	---	---	---	385	382	383	460	451	456	356	351	354
14	---	---	---	382	368	374	468	457	464	352	344	348
15	---	---	---	366	345	357	473	466	471	345	335	341
16	---	---	---	350	342	345	479	455	473	338	328	332
17	---	---	---	---	---	---	484	463	476	331	325	328
18	---	---	---	---	---	---	481	469	479	338	328	332
19	---	---	---	---	---	---	470	455	464	339	333	336
20	---	---	---	---	---	---	458	448	453	354	333	345
21	---	---	---	---	---	---	453	444	448	354	346	349
22	---	---	---	---	---	---	450	439	447	346	337	344
23	---	---	---	---	---	---	450	440	445	352	345	349
24	---	---	---	---	---	---	469	450	461	361	352	355
25	---	---	---	---	---	---	491	468	478	367	358	361
26	---	---	---	---	---	---	500	400	487	376	364	372
27	---	---	---	---	---	---	478	416	431	376	367	370
28	441	437	439	---	---	---	418	385	400	370	359	364
29	448	441	446	---	---	---	379	365	371	392	370	380
30	449	442	445	---	---	---	369	360	364	413	386	402
31	---	---	---	---	---	---	365	355	359	---	---	---
MONTH	449	437	443	444	342	396	500	344	433	431	325	362
YEAR	568	274	408									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.0	24.0	24.0	16.0	16.0	16.0	13.0	12.5	13.0	5.5	5.5	5.5
2	24.0	23.5	24.0	16.0	15.5	15.5	12.5	12.5	12.5	5.5	5.5	5.5
3	23.5	23.0	23.0	15.5	15.5	15.5	12.5	12.0	12.0	6.0	5.5	6.0
4	23.0	22.5	23.0	16.0	15.5	16.0	12.0	12.0	12.0	6.0	6.0	6.0
5	23.0	22.5	23.0	16.0	16.0	16.0	12.0	11.5	11.5	6.0	5.5	5.5
6	23.0	22.5	23.0	16.0	16.0	16.0	11.5	11.0	11.5	6.0	5.5	6.0
7	22.5	21.5	22.5	16.0	16.0	16.0	11.0	11.0	11.0	6.0	6.0	6.0
8	21.5	20.5	21.0	16.0	16.0	16.0	11.0	11.0	11.0	6.0	5.5	5.5
9	20.5	20.5	20.5	16.0	16.0	16.0	11.0	11.0	11.0	5.5	5.0	5.0
10	20.5	20.5	20.5	16.0	16.0	16.0	11.0	10.5	11.0	5.0	4.5	5.0
11	21.0	20.5	20.5	16.0	16.0	16.0	10.5	10.0	10.5	4.5	4.0	4.0
12	20.5	20.5	20.5	16.0	15.5	15.5	10.0	9.5	10.0	4.0	3.5	4.0
13	20.5	20.5	20.5	16.0	15.5	15.5	9.5	9.5	9.5	3.5	3.0	3.5
14	20.5	20.0	20.0	15.5	15.0	15.0	9.5	9.0	9.0	3.0	2.5	3.0
15	20.5	20.0	20.0	15.0	15.0	15.0	9.0	9.0	9.0	2.5	2.5	2.5
16	20.5	20.0	20.5	15.0	15.0	15.0	9.0	8.5	9.0	2.5	2.5	2.5
17	20.5	20.5	20.5	15.0	15.0	15.0	9.0	8.5	9.0	2.5	2.0	2.0
18	20.5	20.0	20.0	15.5	15.0	15.0	8.5	8.0	8.5	2.0	1.5	2.0
19	20.0	19.5	19.5	15.5	15.0	15.5	8.0	7.5	7.5	2.5	2.0	2.0
20	19.5	19.0	19.5	15.5	15.0	15.0	7.5	7.0	7.0	2.5	2.0	2.5
21	19.5	19.0	19.0	15.0	14.5	14.5	7.0	7.0	7.0	2.5	2.0	2.5
22	19.0	19.0	19.0	14.5	14.0	14.0	8.0	7.0	7.5	2.5	2.0	2.5
23	19.0	17.5	18.5	14.0	14.0	14.0	8.0	8.0	8.0	3.5	2.5	3.0
24	17.5	16.5	17.0	14.0	13.5	14.0	7.5	7.0	7.5	4.0	2.5	3.5
25	16.5	16.5	16.5	13.5	13.5	13.5	7.0	7.0	7.0	4.0	3.0	3.5
26	16.5	16.0	16.0	13.5	13.5	13.5	7.5	7.0	7.0	4.0	3.5	4.0
27	16.0	15.5	16.0	14.0	13.5	13.5	7.5	7.0	7.0	4.0	3.5	3.5
28	15.5	15.5	15.5	13.5	13.5	13.5	7.0	7.0	7.0	4.0	4.0	4.0
29	15.5	15.0	15.5	13.5	13.0	13.0	7.0	6.0	6.5	4.0	3.5	4.0
30	15.5	15.0	15.5	13.0	13.0	13.0	6.0	5.5	5.5	4.5	4.0	4.0
31	16.0	15.5	15.5	---	---	---	5.5	5.5	5.5	5.0	4.5	4.5
MONTH	24.0	15.0	19.5	16.0	13.0	15.0	13.0	5.5	9.0	6.0	1.5	4.0

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.5	4.5	4.5	5.5	5.5	5.5	12.5	12.5	12.5	17.5	17.0	17.5
2	5.0	4.5	4.5	6.0	5.5	5.5	13.0	12.5	12.5	18.0	17.0	17.5
3	5.0	4.5	5.0	6.0	5.5	6.0	13.0	13.0	13.0	18.0	17.5	18.0
4	4.5	4.0	4.5	6.5	6.0	6.5	13.0	12.5	13.0	18.5	18.0	18.5
5	4.0	4.0	4.0	7.0	6.5	6.5	13.5	13.0	13.0	19.0	18.5	19.0
6	4.0	3.5	4.0	---	---	---	13.5	13.0	13.0	19.5	19.0	19.5
7	3.5	3.0	3.5	---	---	---	13.0	13.0	13.0	20.0	19.5	19.5
8	3.0	3.0	3.0	---	---	---	13.0	13.0	13.0	20.0	19.5	20.0
9	3.0	2.5	3.0	---	---	---	13.0	13.0	13.0	21.0	20.0	20.5
10	2.5	2.5	2.5	---	---	---	13.0	12.5	12.5	21.0	20.5	21.0
11	2.5	2.5	2.5	---	---	---	13.0	12.5	12.5	21.5	21.0	21.0
12	3.0	2.5	2.5	---	---	---	12.5	12.5	12.5	22.0	21.5	21.5
13	2.5	2.5	2.5	---	---	---	12.5	12.5	12.5	23.0	21.5	22.0
14	3.0	2.5	2.5	---	---	---	12.5	12.0	12.5	23.5	22.5	23.0
15	3.5	3.0	3.0	---	---	---	12.5	12.5	12.5	23.0	22.5	22.5
16	4.0	3.5	3.5	---	---	---	13.0	12.5	12.5	23.5	23.0	23.0
17	4.0	4.0	4.0	---	---	---	13.5	13.0	13.5	24.0	23.5	23.5
18	4.5	4.0	4.5	---	---	---	14.0	13.5	13.5	24.0	23.5	24.0
19	5.0	4.0	4.5	---	---	---	14.0	13.5	14.0	24.0	23.5	24.0
20	5.0	4.5	4.5	---	---	---	14.0	14.0	14.0	24.5	24.0	24.0
21	5.5	5.0	5.0	---	---	---	14.0	14.0	14.0	25.0	24.0	24.5
22	6.0	5.5	5.5	---	---	---	14.5	14.0	14.5	25.0	24.5	25.0
23	6.5	6.0	6.0	---	---	---	14.5	14.5	14.5	25.0	25.0	25.0
24	7.0	6.5	6.5	---	---	---	15.0	14.5	14.5	25.5	25.0	25.5
25	7.0	6.5	7.0	---	---	---	15.5	15.0	15.0	25.5	25.5	25.5
26	6.5	6.0	6.5	---	---	---	16.0	15.5	16.0	26.0	25.5	25.5
27	6.0	5.5	6.0	---	---	---	16.5	16.0	16.5	25.5	25.5	25.5
28	5.5	5.5	5.5	---	---	---	17.0	16.5	16.5	---	---	---
29	---	---	---	14.0	13.5	13.5	17.0	16.5	17.0	---	---	---
30	---	---	---	13.5	13.0	13.0	17.5	17.0	17.0	---	---	---
31	---	---	---	13.0	12.5	12.5	---	---	---	---	---	---
MONTH	7.0	2.5	4.5	14.0	5.5	8.5	17.5	12.0	14.0	26.0	17.0	22.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	26.0	25.5	25.5	---	---	---	28.5	28.0	28.0
2	---	---	---	27.0	26.0	26.5	30.0	27.5	29.5	28.0	28.0	28.0
3	---	---	---	27.5	27.0	27.0	31.5	30.0	30.5	28.0	27.5	27.5
4	---	---	---	27.5	27.0	27.5	32.5	28.5	30.5	27.5	26.5	27.0
5	---	---	---	28.0	27.5	28.0	32.0	30.5	31.5	26.5	26.5	26.5
6	---	---	---	29.0	28.5	28.5	31.0	31.0	31.0	26.5	26.5	26.5
7	---	---	---	30.5	28.5	29.0	31.0	30.5	30.5	26.5	26.0	26.5
8	---	---	---	30.0	29.0	29.5	30.5	29.5	30.0	26.0	25.5	26.0
9	---	---	---	30.0	29.5	30.0	30.0	30.0	30.0	26.0	25.5	25.5
10	---	---	---	30.0	29.5	30.0	30.5	30.0	30.0	26.0	25.5	26.0
11	---	---	---	30.0	29.5	30.0	30.0	29.5	30.0	26.0	25.5	26.0
12	---	---	---	30.5	30.0	30.0	29.0	29.0	29.0	26.0	25.5	25.5
13	---	---	---	31.0	30.5	31.0	30.0	29.5	29.5	26.0	25.5	26.0
14	---	---	---	31.0	31.0	31.0	29.5	28.5	29.0	26.0	26.0	26.0
15	---	---	---	31.5	31.0	31.5	29.0	28.5	29.0	26.0	26.0	26.0
16	---	---	---	31.5	31.0	31.5	29.5	28.5	29.0	28.0	26.0	27.0
17	---	---	---	---	---	---	29.0	29.0	29.0	28.0	27.5	28.0
18	---	---	---	---	---	---	29.0	28.5	29.0	28.0	27.5	27.5
19	---	---	---	---	---	---	29.0	28.5	28.5	28.0	27.5	27.5
20	---	---	---	---	---	---	28.5	28.0	28.5	27.5	27.0	27.5
21	---	---	---	---	---	---	29.0	28.5	29.0	27.0	26.0	26.5
22	---	---	---	---	---	---	29.0	28.5	29.0	26.0	25.0	25.5
23	---	---	---	---	---	---	29.0	28.5	28.5	25.0	25.0	25.0
24	---	---	---	---	---	---	29.0	28.5	29.0	25.0	24.5	24.5
25	---	---	---	---	---	---	29.0	28.5	28.5	24.5	24.0	24.0
26	---	---	---	---	---	---	28.5	28.5	28.5	24.0	23.5	23.5
27	---	---	---	---	---	---	29.5	28.5	29.0	23.5	23.0	23.5
28	27.0	26.5	26.5	---	---	---	28.5	28.0	28.0	23.0	23.0	23.0
29	26.5	25.5	26.0	---	---	---	28.5	28.0	28.0	23.5	22.5	23.0
30	25.5	25.5	25.5	---	---	---	29.0	27.5	28.5	23.0	23.0	23.0
31	---	---	---	---	---	---	28.5	28.5	28.5	---	---	---
MONTH	27.0	25.5	26.0	31.5	25.5	29.0	32.5	27.5	29.5	28.5	22.5	26.0
YEAR	32.5	1.5	16.5									

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, near left bank on downstream side of bridge on State Highway 19, 0.2 mi (0.3 km) east of West, 5.2 mi (8.4 km) upstream from Jordan Creek, and 7.1 mi (11.4 km) downstream from Zilpha Creek.

DRAINAGE AREA.--985 mi² (2,551 km²).

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft (76.121 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 10, 1948, nonrecording gage; and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft (610 m) downstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 1,607 ft³/s (45.51 m³/s), 22.16 in/yr (563 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,700 ft³/s (1,630 m³/s) Mar. 16, 1973, gage height, 25.11 ft (7.654 m); minimum, 28.8 ft³/s (0.82 m³/s) Oct. 7, 1981, gage height, 1.33 ft (0.405 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft (7.343 m), 47,000 ft³/s (1,330 m³/s) at site about 2,000 ft (610 m) downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 10,000 ft³/s (283 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 6	0430	21400	606	21.14	6.444	Apr. 22	0530	*21500	609	21.15	6.447
Jan. 26	0600	11400	323	19.38	5.907						

Minimum discharge, 28.8 ft³/s (0.82 m³/s) Oct. 7, gage height, 1.33 ft (0.405 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	64	288	396	1290	2410	322	562	1370	372	412	498
2	35	59	331	443	1310	2660	324	517	1460	329	523	335
3	32	55	231	2660	1390	3010	613	465	532	296	335	159
4	31	53	198	16900	1270	2490	1140	416	362	201	190	96
5	31	50	129	22300	1200	1320	2160	366	348	143	127	79
6	31	50	103	23900	1090	1050	2830	327	283	113	108	72
7	30	50	89	20100	993	2200	3080	290	215	96	226	53
8	50	53	82	9140	906	2250	3120	749	171	85	153	50
9	108	53	79	5980	1810	2110	3170	608	142	124	125	45
10	191	51	76	3680	2780	2200	2570	472	123	126	93	44
11	224	50	75	2010	2660	1850	1240	332	109	112	77	44
12	196	53	83	682	2940	1100	638	262	104	127	72	45
13	126	52	152	658	3490	773	486	222	109	106	65	93
14	37	53	527	420	3130	647	417	194	110	92	61	102
15	67	53	866	402	1930	583	379	182	108	221	67	106
16	60	53	726	520	1940	713	354	184	130	202	132	85
17	54	54	477	597	3030	1070	1360	178	373	171	456	66
18	52	56	276	567	3090	1370	2630	166	309	206	535	54
19	48	55	204	531	2990	995	2670	151	252	132	265	50
20	47	53	172	513	3380	807	11500	140	177	92	152	47
21	45	51	150	562	3150	645	23300	136	132	82	108	44
22	46	50	153	1160	2030	894	24100	131	112	97	85	43
23	51	50	176	3980	946	976	21200	123	101	89	108	41
24	51	51	192	8130	650	902	11700	122	94	74	96	39
25	61	56	170	9540	543	739	7270	162	89	72	71	39
26	69	61	195	12100	669	593	4810	529	433	65	61	33
27	107	65	139	8320	2340	483	3100	534	598	118	55	38
28	109	86	130	5470	2710	405	1600	393	373	257	76	38
29	111	106	161	3490	---	358	775	260	656	204	151	39
30	99	195	140	2090	---	333	642	180	561	172	34	42
31	73	---	177	1130	---	322	---	167	---	305	497	---
TOTAL	2337	1839	7247	168071	55647	38264	139500	9525	9936	4889	5596	2527
MEAN	75.4	61.3	234	5422	1987	1234	4650	307	331	158	181	84.2
MAX	224	195	866	23900	3490	3010	24100	749	1460	372	535	498
MIN	30	50	75	396	543	322	322	122	89	65	55	33
CFSM	.08	.06	.24	5.51	2.02	1.25	4.72	.31	.34	.16	.18	.09
IN.	.09	.07	.27	6.35	2.10	1.45	5.27	.36	.38	.18	.21	.10

CAL YR 1981 TOTAL 162920 MEAN 446 MAX 3160 MIN 30 CFSM .45 IN 6.15
WTR YR 1982 TOTAL 445378 MEAN 1220 MAX 24100 MIN 30 CFSM 1.24 IN 16.82

07290000 BIG BLACK RIVER NEAR BOVINA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft (91 m) upstream from Clear Creek, 0.4 mi (0.6 km) upstream from Illinois Central Railroad bridge, 2.3 mi (3.7 km) east of Bovina, 10.8 mi (17.4 km) upstream from Fourteenmile Creek, and at mile 61.7 (99.3 km). Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 mi² (7,280 km²), approximately (includes that of Clear Creek).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WRD Miss. 1968: 1966-67. WDR MS-79-1: 1978(M).

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft (25.887 m) National Geodetic Vertical Datum of 1929 or 85.00 ft (25.908 m) above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 3,640 ft³/s (103 m³/s); 17.59 in/yr (447 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,300 ft³/s (2,360 m³/s) Apr. 16, 1979, gage height, 40.56 ft (12.363 m); minimum, 65 ft³/s (1.84 m³/s) Oct. 2, 1954, gage height, 5.98 ft (1.823 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi (10 km) upstream, reached elevations NGVD as follows: Dec. 20, 1961, 139.2 ft (42.43 m); in 1912 and in January 1927, 139 ft (42.4 m); Apr. 1, 1951, 138.5 ft (42.21 m). A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,400 ft³/s (493 m³/s) Apr. 30, gage height, 31.91 ft (9.726 m); minimum, 138 ft³/s (3.91 m³/s) Sept. 30, gage height, 6.30 ft (1.920 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	285	419	1200	3170	5850	1270	16700	646	1860	7840	323
2	186	263	510	1350	8040	5910	1160	15300	576	1510	10900	393
3	173	254	465	2630	7930	5710	1080	13900	551	1190	3290	509
4	166	246	450	2350	7970	5040	1070	10600	1150	844	5980	509
5	163	232	517	2090	7120	4000	1890	4720	1770	668	3370	557
6	161	211	554	3100	4230	3920	2470	1800	1390	595	1530	539
7	159	196	524	4140	2790	6100	3610	1260	1020	526	1010	459
8	168	194	478	5000	2340	6410	4440	1130	813	514	907	404
9	171	186	422	5100	2350	6330	4870	1010	684	517	739	340
10	199	171	374	5190	2900	6170	4780	932	607	446	840	266
11	263	161	335	5330	3470	5750	4150	907	539	453	710	245
12	306	157	326	5670	4020	4550	3640	1020	514	684	681	248
13	336	157	326	6340	4070	3430	3270	991	482	491	951	261
14	341	157	634	7030	3770	2910	2530	893	428	395	732	276
15	317	159	1010	7580	3520	2370	1690	815	428	357	514	274
16	350	166	968	8220	3420	1380	1290	823	1140	389	339	255
17	344	163	1190	8340	10500	1600	1130	823	1780	533	509	240
18	317	161	1310	5520	10100	1450	1080	732	1050	542	545	243
19	280	165	1120	2370	9600	2240	2430	684	823	529	659	248
20	243	163	961	2100	9050	3970	9420	655	665	497	833	238
21	216	161	834	2310	8310	5380	12200	630	652	506	1240	226
22	201	168	670	4090	7610	8210	11700	614	973	536	929	210
23	199	161	574	5670	6360	8530	11300	604	703	637	668	193
24	186	163	504	8010	4680	7870	11000	582	545	503	529	179
25	186	169	469	8180	3620	6940	11000	576	494	440	440	172
26	196	171	450	8130	2700	5000	11200	566	503	443	330	163
27	204	214	456	7920	4290	3200	12000	563	756	398	329	155
28	294	251	465	7700	5300	2300	14200	569	936	332	303	148
29	368	265	453	7790	---	1790	16400	551	1370	306	329	144
30	374	274	450	8000	---	1480	17300	579	1570	352	520	142
31	326	---	635	8170	---	1350	---	668	---	423	428	---
TOTAL	7637	5854	18863	167620	163320	137640	185510	82199	25588	18421	54174	8564
MEAN	246	195	608	5407	5833	4440	6184	2652	853	594	1748	285
MAX	374	285	1310	8340	10500	8530	17300	16700	1780	1860	10900	557
MIN	159	157	326	1200	2340	1350	1070	551	428	306	303	142
CFSM	.09	.07	.22	1.92	2.08	1.58	2.20	.94	.30	.21	.62	.10
IN.	.10	.08	.25	2.22	2.16	1.82	2.46	1.09	.34	.24	.72	.11

CAL YR 1981 TOTAL 618303 MEAN 1694 MAX 13900 MIN 144 CFSM .60 IN 3.19
WTR YR 1982 TOTAL 875390 MEAN 2398 MAX 17300 MIN 142 CFSM .85 IN 11.59

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-63, 1972-73, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1975 to September 1981.
WATER TEMPERATURE: July 1975 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
NOV												
02...	1330	266	218	7.1	18.0	32	5.6	470	150	56	.00	12
JAN												
19...	1100	2830	54	7.4	6.0	130	10.7	--	8000	11	5.0	2.4
MAR												
24...	1130	7830	80	6.5	12.5	120	7.2	K1500	3500	25	2.0	6.0
MAY												
10...	1215	936	155	--	22.5	53	7.2	--	K90	47	1.0	11
JUL												
13...	1700	443	146	7.4	28.5	55	6.5	410	670	46	.00	11
SEP												
15...	1000	270	330	7.7	27.0	26	7.8	2700	600	71	.00	17

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
NOV											
02...	5.9	23	50	1.7	4.9	80	11	25	.2	17	143
JAN											
19...	1.1	4.3	39	.6	3.0	6.0	5.4	7.3	<.1	5.3	--
MAR											
24...	2.4	7.1	36	.6	2.5	23	9.0	6.5	<.1	8.4	72
MAY											
10...	4.7	12	34	.8	2.4	46	9.0	11	.1	14	94
JUL											
13...	4.6	11	33	.7	2.5	47	7.0	9.5	.2	12	112
SEP											
15...	6.9	33	48	1.3	4.3	71	7.0	51	.2	7.5	173

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV											
02...	153	.19	103	.42	.320	.79	.370	.090	.080	65	47
JAN											
19...	33	.04	248	.16	.090	.31	.140	.020	<.010	745	5690
MAR											
24...	56	.10	1520	.23	.110	.80	.280	.080	.030	140	2960
MAY											
10...	93	.13	238	<.10	.050	.66	.200	.050	.030	166	420
JUL											
13...	96	.15	134	<.10	.040	.60	.220	.070	.050	183	225
SEP											
15...	170	.24	126	<.10	.060	1.10	.110	.030	.030	110	80

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
NOV 02...	3	2	1	100	50	50	1	<1	10	0
MAY 10...	2	1	1	100	40	53	--	<1	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
NOV 02...	10	3	<1	12	5	7	2400	2200	170	7
MAY 10...	10	--	<1	--	--	4	4000	3700	300	--

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)
NOV 02...	5	1	240	130	110	.7	.3	.4	4
MAY 10...	--	3	400	140	260	<.1	--	<.1	--

DATE	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV 02...	0	4	<1	<1	<1	<1	200	200	5
MAY 10...	--	4	<1	<1	<1	<1	60	--	<3

07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near right bank at downstream side of bridge on county highway, 1.4 mi (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 mi (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi² (1,691 km²).

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft (25.096 m) National Geodetic Vertical Datum of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--21 years, 873 ft³/s (24.72 m³/s), 18.16 in/yr (461 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,800 ft³/s (1,810 m³/s) Apr. 13, 1980, gage height, 28.16 ft (8.583 m); minimum discharge, 19 ft³/s (0.54 m³/s) Oct. 6, 1969; minimum gage height, 2.17 ft (0.661 m) Nov. 4, 5, 6, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 16	2100	*22700	643	23.48	7.157	Apr. 21	0445	17400	493	20.67	6.300

Minimum discharge, 36 ft³/s (1.02 m³/s) Oct. 3, gage height 2.57 ft (0.783 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	89	1400	2370	712	966	2570	273	81	177	5620	101
2	40	86	300	910	465	654	1550	1490	74	113	7940	89
3	39	81	170	462	2350	519	892	639	71	101	2120	95
4	39	78	106	952	1730	447	550	380	69	94	778	81
5	39	74	97	662	765	391	372	270	68	81	359	69
6	39	71	93	343	539	1580	298	220	65	135	570	65
7	38	68	86	592	526	3700	246	198	64	89	320	63
8	60	65	85	873	414	1310	226	189	61	89	808	60
9	76	67	84	343	613	716	212	173	60	112	543	57
10	1510	72	83	257	901	523	206	164	58	141	639	55
11	1080	71	82	202	574	441	188	156	58	106	1260	55
12	304	67	190	192	391	389	175	146	73	94	1030	75
13	152	65	333	338	375	351	166	140	78	133	386	74
14	106	63	2020	453	335	325	169	135	73	335	218	65
15	86	61	1450	459	325	303	161	136	78	330	169	61
16	76	60	529	1740	15900	285	157	140	333	147	151	59
17	71	59	277	914	9410	266	180	133	624	124	138	55
18	71	58	206	503	5210	248	286	127	226	198	135	53
19	65	57	164	516	1240	232	212	123	144	140	164	50
20	61	62	143	435	778	222	8490	117	113	195	151	50
21	58	60	138	323	592	873	11600	113	101	315	122	52
22	56	58	141	268	434	2820	2910	109	147	192	108	50
23	53	56	141	5720	411	701	1320	136	123	985	100	48
24	51	78	143	2490	361	1190	647	154	101	190	94	47
25	477	70	138	373	325	1330	529	305	90	109	92	47
26	3020	63	210	510	434	523	557	175	113	97	86	48
27	521	58	177	372	5390	345	523	161	140	127	81	47
28	224	150	156	310	2070	279	353	119	216	90	76	46
29	148	250	136	277	---	246	298	101	157	96	85	46
30	114	1450	124	257	---	232	338	91	134	180	101	45
31	98	---	5390	447	---	1210	---	84	---	1530	135	---
TOTAL	8853	3667	14839	25368	51720	23623	36381	6396	3893	6846	24579	1808
MEAN	286	122	479	818	1847	762	1213	222	130	221	793	60.3
MAX	3020	1450	5390	5720	15900	3700	11600	1490	624	1530	7940	101
MIN	38	56	82	192	325	222	157	84	58	81	76	45
CFSM	.44	.19	.73	1.28	2.83	1.17	1.86	.34	.20	.34	1.21	.09
IN.	.50	.21	.85	1.47	2.95	1.35	2.07	.39	.22	.39	1.40	.10

CAL YR 1981 TOTAL 163353 MEAN 448 MAX 11500 MIN 33 CFSM .69 IN 9.31
WTR YR 1982 TOTAL 208973 MEAN 573 MAX 15900 MIN 38 CFSM .88 IN 11.90

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central Gulf Railroad bridge, 900 ft (270 m) downstream from bridge on U.S. Highway 84, 0.4 mi (0.6 km) upstream from McCall Creek, and 0.8 mi (1.3 km) east of Eddiceton.

DRAINAGE AREA.--180 mi² (470 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft (66.209 m) National Geodetic Vertical Datum of 1929. Prior to May 26, 1942, nonrecording gage at site 900 ft (270 m) upstream at present datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--44 years, 260 ft³/s (7.363 m³/s), 19.62 in/yr (498 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s (1,570 m³/s) Apr. 13, 1974, gage height, 19.53 ft (5.95 m); minimum discharge, 26 ft³/s (0.74 m³/s) Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 ft³/s (0.79 m³/s) Sept. 2, 4, 1954, Sept. 29, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,800 ft³/s (390 m³/s) Mar. 31, gage height, 10.00 ft (3.05 m), from reconstructed stage hydrograph, only peak above base of 9,000 ft³/s (255 m³/s); minimum daily discharge, 41 ft³/s (1.16 m³/s) Oct. 5, 6, and Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	57	55	113	113	203	776	127	58	62	1060	53
2	45	58	48	145	246	155	343	925	58	57	275	52
3	43	57	47	270	925	130	220	251	57	55	127	52
4	42	55	45	113	251	118	162	149	55	55	92	50
5	41	53	44	87	133	105	139	118	55	57	76	48
6	41	53	47	113	105	118	121	107	53	110	66	48
7	43	52	47	130	94	349	107	105	53	80	76	47
8	47	50	47	85	85	180	102	97	52	94	139	47
9	48	52	47	72	212	124	97	90	52	70	74	47
10	50	52	47	63	192	110	92	85	50	66	107	47
11	55	48	47	64	118	102	87	73	50	57	844	53
12	57	49	53	72	105	97	85	80	55	93	2150	60
13	52	48	57	97	107	92	80	83	55	58	212	48
14	48	43	401	94	92	87	78	1090	60	74	110	47
15	45	47	173	87	139	95	74	643	90	354	78	45
16	44	47	87	159	4650	80	72	145	83	76	76	44
17	44	47	72	121	879	76	130	110	133	74	87	44
18	43	47	66	94	384	74	124	97	68	60	87	44
19	42	45	60	87	246	72	80	90	57	53	87	44
20	42	45	59	83	196	70	2290	83	53	70	66	57
21	57	45	60	76	169	68	2970	78	66	97	62	60
22	42	47	60	73	145	67	906	76	76	55	55	47
23	72	45	70	915	133	65	378	72	57	50	53	44
24	70	45	63	265	127	69	237	78	53	48	57	42
25	107	45	70	115	121	72	224	78	52	50	52	44
26	455	45	66	87	192	67	184	70	55	57	50	44
27	105	47	62	76	1120	63	149	68	55	53	48	42
28	76	52	60	70	372	64	127	66	66	48	48	42
29	66	47	58	69	---	64	115	62	173	52	48	42
30	50	48	57	66	---	63	115	60	83	48	55	41
31	57	---	1280	133	---	9100	---	59	---	53	64	---
TOTAL	2036	1475	3459	4103	11651	12195	10664	5325	1933	2276	6541	1425
MEAN	65.7	49.2	112	132	416	393	355	172	66.1	73.4	211	47.5
MAX	455	53	1280	915	4650	9100	2970	1090	173	354	2150	60
MIN	41	45	44	64	85	63	72	59	50	48	48	41
CFSM	.37	.27	.62	.73	2.31	2.18	1.97	.96	.37	.41	1.17	.26
IN.	.43	.30	.71	.85	2.41	2.52	2.20	1.10	.41	.47	1.35	.29

CAL YR 1981 TOTAL 55913 MEAN 153 MAX 6780 MIN 41 CFSM .85 IN 11.56
WTR YR 1982 TOTAL 63183 MEAN 173 MAX 9100 MIN 41 CFSM .96 IN 13.06

07292500 HOMOCHITTO RIVER AT ROSETTA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 31°19'30", long 91°06'24", in sec.12, T.4 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank, near downstream side of pier cap, under bridge, on State Highway 33 at Rosetta, 0.8 mi (1.3 km) downstream from Foster Creek, and 4.0 mi (6.4 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi² (1,940 km²), approximately.

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955(M). WSP 1920: 1955.

GAGE.--Water-stage recorder. Datum of gage is 94.39 ft (28.770 m) National Geodetic Vertical Datum of 1929. June 16 to Nov. 12, 1906, nonrecording gage at present site at different datum; December 1976 to April 1978, near right bank on downstream side of Illinois Central Railroad bridge, 800 ft (240 m) upstream and nonrecording gage read twice daily at present site, all at same datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--31 years, 1,088 ft³/s (30.81 m³/s), 19.70 in/yr (500 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s (4,250 m³/s) Apr. 13, 1974, from rating curve extended above 47,000 ft³/s (1,330 m³/s); maximum gage height, 36.03 ft (10.982 m) May 4, 1953; minimum discharge, 129 ft³/s (3.65 m³/s) Sept. 22-25, 28-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft (11.521 m) Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft³/s (453 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 16	0530	34800	986	a18.00	5.486	Mar. 31	0930	*39900	1130	a18.62	5.675

Minimum discharge, 204 ft³/s (5.78 m³/s) July 30, gage height 6.61 ft (2.015 m) Oct. 4, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	247	322	338	1540	627	1100	4690	464	272	464	421	240
2	254	322	350	542	638	900	1350	2350	254	381	1430	223
3	254	322	314	510	3150	800	940	1000	250	350	753	227
4	254	313	293	625	1230	710	740	637	254	330	338	227
5	261	302	290	541	747	660	630	525	254	322	285	220
6	265	302	287	426	625	710	570	474	250	421	270	217
7	233	294	287	608	580	1600	530	450	247	404	300	217
8	237	290	290	716	563	1000	505	450	244	462	350	214
9	302	290	287	499	932	740	515	445	244	435	398	210
10	342	294	279	421	1130	660	484	417	237	412	531	214
11	346	290	279	381	721	610	455	398	233	322	494	233
12	310	290	302	389	625	570	426	394	250	217	4780	290
13	293	294	338	541	654	550	407	381	318	290	2500	283
14	272	294	536	541	619	530	398	367	306	330	552	240
15	265	294	975	469	760	510	385	1910	330	326	376	227
16	265	294	484	487	16300	490	376	715	355	293	326	220
17	265	294	398	531	4100	474	637	450	445	261	302	218
18	257	290	372	455	1800	469	806	393	407	265	440	218
19	250	290	342	426	1300	459	479	381	322	394	421	225
20	346	290	326	407	1100	450	740	367	306	342	407	265
21	265	287	322	385	1000	435	10500	355	342	1100	330	322
22	269	283	334	389	880	425	3360	326	536	469	290	272
23	278	287	322	1280	830	417	1290	318	403	305	262	233
24	326	298	334	1530	790	440	881	314	330	294	244	227
25	314	294	363	660	750	459	832	325	326	283	233	220
26	1240	294	372	510	2300	426	881	334	440	314	224	220
27	580	294	338	455	4500	393	654	302	474	314	222	214
28	412	333	330	445	2000	407	552	290	450	230	220	210
29	359	326	319	440	---	407	510	279	547	257	220	207
30	338	314	302	426	---	407	484	276	602	207	225	204
31	326	---	1210	591	---	13200	---	276	---	261	235	---
TOTAL	10334	8991	11917	18463	51241	31414	36027	16369	10228	11131	18379	6957
MEAN	333	300	384	596	1830	1013	1201	528	341	359	593	232
MAX	1240	338	1210	1540	16300	13200	10500	2350	602	1100	4780	322
MIN	247	283	279	381	563	393	376	276	233	207	220	204
CFSM	.44	.40	.51	.80	2.44	1.35	1.60	.70	.46	.48	.79	.31
IN.	.51	.45	.59	.92	2.54	1.56	1.79	.81	.51	.55	.91	.35

CAL YR 1981 TOTAL 258729 MEAN 709 MAX 25200 MIN 130 CFSM .95 IN 12.83
WTR YR 1982 TOTAL 231456 MEAN 634 MAX 16300 MIN 204 CFSM .85 IN 11.48

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1967-68, 1970-71, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1975 to September 1978, October 1980 to September 1981.
WATER TEMPERATURE: January 1975 to September 1979, October 1980 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
NOV 10...	1000	287	112	7.2	16.0	3.6	9.0	K71	K29	15	.00	3.7
JAN 19...	1330	426	92	7.1	14.5	19	9.0	1600	1000	15	.00	3.7
MAR 24...	1230	431	90	7.2	20.0	6.5	9.2	120	170	16	2.0	3.8
MAY 11...	1200	400	86	6.4	23.5	7.4	9.0	K34	34	16	2.0	3.9
JUL 15...	0900	306	87	6.9	26.0	30	8.0	120	230	15	2.0	3.5
AUG 24...	1730	E270	92	7.3	33.5	--	7.1	--	--	14	--	3.5
SEP 08...	1500	214	103	6.7	28.5	8.4	8.3	120	100	17	1.0	4.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
NOV 10...	1.5	15	67	1.8	1.2	27	1.1	26	<.1	15	77
JAN 19...	1.4	13	63	1.5	1.5	18	3.8	17	<.1	15	69
MAR 24...	1.5	12	60	1.4	1.6	14	3.3	16	<.1	13	62
MAY 11...	1.5	10	55	1.1	1.4	14	3.0	13	<.1	14	57
JUL 15...	1.5	10	57	1.2	1.3	13	2.0	15	<.1	13	--
AUG 24...	1.3	9.9	--	1.2	--	--	2.0	16	--	--	--
SEP 08...	1.6	14	62	1.5	1.3	16	3.0	21	<.1	15	61

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV 10...	61	.10	59.7	<.01	<.010	.25	.050	.050	<.010	31	24
JAN 19...	66	.09	79.4	.12	.040	.61	.030	<.010	<.010	38	44
MAR 24...	59	.08	72.1	.01	.020	.12	.030	.020	<.010	30	35
MAY 11...	55	.08	61.6	<.10	.040	.40	.030	<.010	<.010	960	1040
JUL 15...	54	.07	44.7	<.10	.040	<.10	.060	.020	<.010	144	119
AUG 24...	--	--	--	--	--	--	--	--	--	--	--
SEP 08...	70	.08	35.2	<.10	.040	.60	.020	<.010	.020	50	29

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07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)
NOV 10...	1	1	0	100	70	34	4	4	20	--
MAY 11...	2	1	1	<100	--	42	2	<1	20	10

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
NOV 10...	<10	<1	<1	6	0	7	770	540	230
MAY 11...	10	1	<1	4	1	3	940	790	150

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
NOV 10...	4	1	3	100	20	79	.1	.0	.1
MAY 11...	5	2	3	--	--	41	<.1	--	<.1

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV 10...	1	--	<1	<1	<1	<1	<1	30	<4
MAY 11...	3	2	1	<1	<1	<1	<1	--	<3

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 mi (2.4 km) downstream from Fords Creek, 2.8 mi (4.5 km) west of Wilkinson, and 8.5 mi (13.7 km) north of Woodville.

DRAINAGE AREA.--182 mi² (471 km²).

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

REVISED RECORDS.--WSP 1281: 1943, 1946(M).

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft (28.810 m) National Geodetic Vertical Datum of 1929. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years, 269 ft³/s (7.618 m³/s), 20.07 in/yr (510 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s (1,840 m³/s) Mar. 25, 1973, gage height, 22.3 ft (6.80 m) from floodmarks, from rating curve extended above 35,000 ft³/s (990 m³/s); minimum, 16 ft³/s (0.45 m³/s) Aug. 14, 18, 19, 1954, Sept. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft³/s (312 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 7	1500	20100	570	15.44	4.706	Feb. 16	1000	*20700	586	15.59	4.752

Minimum daily discharge, 26 ft³/s (0.74 m³/s) Oct. 4, gage height, 3.88 ft (1.183 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	45	63	213	213	187	635	75	36	80	78	45
2	29	55	64	122	432	158	342	130	34	52	329	32
3	28	52	59	137	1150	139	530	82	33	44	153	35
4	27	47	56	126	319	128	262	66	33	42	139	34
5	28	47	54	94	201	119	198	49	33	41	76	32
6	28	47	54	85	158	153	158	58	32	39	64	32
7	28	46	56	5220	151	339	133	56	30	37	71	30
8	30	44	56	1040	141	158	126	55	29	39	62	30
9	77	45	54	513	584	124	117	54	30	37	56	28
10	326	47	53	377	356	113	132	56	29	43	55	28
11	71	46	53	307	198	108	110	57	28	40	57	30
12	53	45	59	339	294	103	97	57	32	38	72	52
13	46	46	71	616	273	98	91	56	42	42	80	36
14	41	46	319	339	173	94	88	56	42	50	57	50
15	39	47	141	265	1850	91	83	59	40	43	54	33
16	39	47	58	273	8410	89	80	58	50	46	56	35
17	39	47	82	189	1220	83	479	56	139	43	55	34
18	40	47	90	151	626	80	239	54	59	52	82	57
19	40	49	71	133	444	77	122	53	46	40	99	39
20	39	48	58	115	349	76	221	52	44	47	58	40
21	41	48	71	103	221	73	1620	50	43	91	76	37
22	40	47	72	99	242	72	607	49	69	48	61	33
23	49	48	68	602	211	73	300	48	54	44	56	32
24	51	50	69	203	139	89	182	53	46	43	68	32
25	50	53	99	126	173	85	173	53	47	43	44	31
26	55	53	92	105	349	73	165	47	43	44	40	31
27	46	53	73	95	720	72	113	45	48	46	39	30
28	42	53	69	94	256	76	95	43	49	45	41	30
29	42	53	67	92	---	79	75	40	49	45	43	28
30	44	54	66	92	---	80	77	38	64	45	44	28
31	45	---	763	500	---	3500	---	38	---	49	43	---
TOTAL	1591	1455	3093	12765	19993	6793	7630	1743	1353	1443	2316	1052
MEAN	51.3	48.5	99.8	412	714	219	254	56.2	45.1	46.5	74.7	35.1
MAX	326	55	763	5220	8410	3500	1620	130	139	91	329	57
MIN	27	44	53	85	141	72	75	38	28	37	39	28
CFSM	.28	.27	.55	2.26	3.92	1.20	1.40	.31	.25	.26	.41	.19
IN.	.33	.30	.63	2.61	4.08	1.39	1.56	.36	.28	.29	.47	.22

CAL YR 1981 TOTAL 52995 MEAN 145 MAX 6740 MIN 27 CFSM .80 IN 10.83
WTR YR 1982 TOTAL 61225 MEAN 168 MAX 8410 MIN 27 CFSM .92 IN 12.51

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202 near center of span on downstream side of bridge on State Highway 10, 1.5 mi (2.4 km) upstream from Collins Creek, and 4.0 mi (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi² (1,502 km²).

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (210 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum 2.99 ft (0.911 m) higher.

AVERAGE DISCHARGE.--32 years, 893 ft³/s (25.29 m³/s), 20.91 in/yr (531 mm/yr).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s (2,160 m³/s) Apr. 22, 1977, gage height, 21.76 ft (6.632 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 17	1945	*18100	513	16.03	4.886	Apr. 1	1730	11500	326	14.42	4.395

Minimum discharge, 256 ft³/s (7.25 m³/s) June 12; minimum gage height, 3.03 ft (0.924 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	268	292	314	823	538	913	10400	450	276	395	462	303
2	264	286	326	587	653	682	7430	934	273	375	726	295
3	262	285	311	427	3100	586	2670	1370	272	360	1020	284
4	262	286	298	450	2630	537	1460	740	272	390	1040	280
5	263	286	292	397	1310	506	1020	539	272	340	637	278
6	264	286	292	374	756	609	796	448	257	298	453	275
7	264	283	293	944	604	1560	644	776	264	355	542	274
8	264	282	295	4560	529	1320	560	1060	265	540	563	273
9	273	285	295	2020	511	904	508	607	263	840	509	271
10	315	286	293	724	1010	679	484	451	261	500	713	271
11	343	286	292	533	968	592	463	398	259	545	787	279
12	295	285	303	685	719	528	454	370	257	600	1530	321
13	290	285	328	909	866	495	438	352	270	431	1390	313
14	275	285	371	945	832	463	426	352	267	381	928	316
15	274	285	474	697	775	448	416	349	298	317	575	301
16	275	287	413	591	7690	424	409	341	297	336	529	285
17	275	286	356	528	15600	409	505	329	314	339	878	284
18	275	296	338	474	12200	398	1150	319	302	331	572	282
19	273	287	325	443	4300	386	733	315	278	293	609	277
20	269	286	315	421	1550	377	638	304	269	287	460	276
21	269	283	313	407	1110	369	3600	301	279	540	395	273
22	271	283	318	392	909	359	4900	296	315	547	364	271
23	277	285	329	385	775	352	3630	293	338	354	331	268
24	292	291	330	395	683	392	1520	293	299	318	308	268
25	301	292	357	384	605	471	1010	303	340	307	321	269
26	313	291	369	370	558	380	894	322	380	311	299	271
27	317	289	346	362	653	352	741	315	420	406	297	263
28	296	288	331	357	980	347	607	292	465	336	296	266
29	288	289	322	355	---	343	524	286	510	359	286	266
30	284	296	316	353	---	339	474	282	450	506	292	266
31	284	---	483	420	---	4040	---	279	---	554	346	---
TOTAL	8725	8605	10343	21314	63424	20640	49554	14068	9292	12789	18438	8424
MEAN	281	287	334	688	2265	666	1652	454	309	413	595	281
MAX	343	296	483	4560	15600	4040	10400	1370	510	840	1530	321
MIN	262	282	292	353	511	339	409	279	257	287	286	263
CFSM	.48	.50	.58	1.19	3.91	1.15	2.85	.78	.53	.71	1.03	.48
IN.	.56	.55	.66	1.37	4.07	1.32	3.18	.90	.60	.82	1.18	.54

CAL YR 1981 TOTAL 197808 MEAN 315 MAX 4670 MIN 262 CFSM .89 IN 12.05
WTR YR 1982 TOTAL 245606 MEAN 673 MAX 15600 MIN 257 CFSM 1.16 IN 15.75

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1982

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Mobile River basin					
02434000	Town Creek at Tupelo, MS	Lat 34°17'40", long 88°42'35", in SW¼ SE¼ sec.18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 0.5 mi (0.8 km) north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft (0.122 m) higher.	111	1944-46‡, 1952-70‡, 1971-82	5-25-82	18.72	4,760
02435400	Clear Branch near Tupelo, MS	Lat 34°15'30", long 88°39'50", in SW¼ SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw Meridian, Lee County, at culvert on U.S. Highway 78, 1.3 mi (2.1 km) east of Tupelo.	.75	1955-82	3-31-82	6.78	(†)
02435800	Coonewah Creek at Shannon, MS	Lat 34°08'15", long 88°43'12", in SE¼, sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 1.0 mi (1.6 km) north of Shannon and 4.5 mi (7.2 km) upstream from mouth.	53.1	1953-82	4- 2-82	15.11	(†)
02435930	Shell Creek near Tupelo, MS	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw Meridian, Lee County, at culvert on State Highway 6, 6.6 mi (10.6 km) west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft (3.499 m) lower.	.20	1955-82	1- 3-82	4.01	58
02436000	Chiwapa Creek at Shannon, MS	Lat 34°06'35", long 88°43'25", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi (1.1 km) above Gulf, Mobile and Ohio Railroad bridge.	145	1952-67‡, 1968-82	4- 2-82	10.39	14,900
02437300	Mattubby Creek near Aberdeen, MS	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 mi (2.4 km) above Wolf River, and 4.1 mi (6.6 km) northwest of Aberdeen.	92.2	1937, 1952-82	1- 3-82	91.59	4,550
02437550	Nichols Creek tributary near Quincy, MS	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mi (1.6 km) southeast of Quincy.	.54	1967-82	12-14-81	5.97	(†)
02437600	James Creek at Aberdeen, MS	Lat 38°48'45", long 88°34'00", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on State Highway 25, 0.4 mi (0.6 km) southwest of Aberdeen.	28.4	1964-68‡, 1969-82	1- 3-82	14.10	5,090

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1982--Continued

Station No.	Station Name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft³/s)
		Mobile River basin--Continued					
02440000	Chuquatonchee Creek near Egypt, MS	Lat 33°50'30", long 88°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 8, 4.5 mi (7.2 km) southwest of Egypt.	167	1952-73‡, 1974-82	4- 3-82	13.70	10,300
02440020	Chuquatonchee Creek tributary near Trebloc, MS	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at culvert on State Highway 8, 1.5 mi (2.4 km) east of Trebloc.	.72	1967-82	4- 2-82	7.29	300
02440400	Houlka Creek near McCondy, MS	Lat 33°47'05", long 88°51'15", in SE¼SW¼ sec.11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, at bridge on State Highway 47, 2.8 mi (4.5 km) south of McCondy.	189	1963-68‡, 1969-82	4- 3-82	15.02	11,100
02440500	Chuquatonchee Creek near West Point, MS	Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., Meridian, Clay County, at bridge State Highway 50, 3.0 mi (4.8 km) west of West Point.	505	1944-73‡, 1974-82	4- 4-82	17.70	11,600
02440600	Line Creek near Maben, MS	Lat 33°39', long 89°04', in S½ sec.26, T.16 S., R.2 E., Chickasaw Meridian, Webster County, at bridge on State Highway 15, 1,000 ft (305 m) below Gulf, Mobile and Ohio Railroad, and 7.0 mi (11.3 km) north of Maben.	4.76	1952-82	4-19-82	21.05	2,860
02440800	Trim Cane Creek near Starkville, MS	Lat 33°28', long 88°55', in W½ sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3.0 mi (4.8 km) above Biba Wila Creek, and 6.0 mi (9.7 km) west of Starkville.	44.9	1952-82	1- 3-82	26.96	7,200
02441220	Sand Creek tributary near Mayhew, MS	Lat 33°28'40", long 88°43'20", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, on U.S. Highway 82, 3.7 mi (6.0 km) west of Mayhew.	.44	1966-82	5-26-82	7.15	290
02441300	Catalpa Creek at Mayhew, MS	Lat 33°28'50", long 88°37'45", in NE¼ SW¼ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mi (0.8 km) east of Mayhew.	98.0	1963-68‡ 1969-82	4-20-82	17.42	6,830
02443000	Luxapallila Creek at Steens, MS	Lat 33°33'56", long 88°18'55" in NE¼ sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, on county highway, 0.2 mi (0.3 km) southeast of Steens.	309	1944-47‡ 1950-77‡ 1978-82	1- 4-82	17.60	8,650
02443700	Cedar Creek near Brooksville, MS	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw Meridian, Lowndes County, at culvert on U.S. Highway 45, 7.5 mi (12.1 km) north of Brooksville.	.49	1965-82	4-20-82	6.78	315
02447220	Bogue Fallah Creek tributary near Ackerman, MS	Lat 33°20'10", long 89°07'10", in SW¼ sec.14, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 12, 4.1 mi (6.6 km) northeast of Ackerman.	.34	1966-82	1- 3-82	4.35	91
02448620	Flat Scooba Creek tributary near Scooba, MS	Lat 32°50'20", long 88°28'10", in SE¼ sec.32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mi (1.3 km) north of Scooba.	.44	1967-82	7-31-82	5.25	132

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1982--Continued

Station No.	Station Name	Location	Drainage area (mi²)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft³/s)
		Mobile River basin--Continued					
02469672	Little Okatuppa Creek near Quitman, MS	Lat 32°05'00", long 88°27'10", in NW¼SE¼ sec.21, T.3 N., R.18 E., Choctaw Meridian, Clarke County, on State Highway 18, 17.6 mi (28.3 km) east of Quitman.	4.35	1966-82	12-14-82	7.09	1,290
		Pascagoula River basin					
02471100	Leaf River near Raleigh, MS	Lat 32°00'47", long 89°25'58", in SE¼SE¼ sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, at bridge on State Highway 18, 6.0 mi (9.7 km) east of Raleigh.	143	1940-43a 1957-82	---	(b)	(†)
02471250	Leaf River at Taylorsville, MS	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, on State Highway 28, 1.0 mi (1.6 km) east of Taylorsville.	459	1968-82	2-16-82	242.75	7,640
02471500	Oakohay Creek at Mize, MS	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, on State Highway 28, at Mize.	185	1943-49‡, 1968-82	2-16-82	286.01	3,700
02472160	Big Creek tributary near Laurel, MS	Lat 31°41'20", long 89°19'35", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens Meridian, Jones County, on U.S. Highway 84, 11.4 mi (18.3 km) west of Laurel.	.17	1966-82	3-31-82	4.23	78
02472420	Bowie Creek near Sanford, MS	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, at bridge on State Highway 589, 5.0 mi (8.0 km) southwest of junction with U.S. Highway 49.	262	1968-82	3-31-82	17.17	3,480
02472810	Okatoma Creek tributary No. 2 near Collins, MS	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens Meridian, Covington County, at culvert on U.S. Highway 49, 1.6 mi (2.6 km) south of Collins.	.21	1967-82	4-20-82	4.66	79
02473047	Gordon Creek at Broad Street at Hattiesburg, MS	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, at bridge on Broad Street in Hattiesburg.	8.83	1969-82	4-21-82	55.22	1,320
02473480	Tallahattah Creek near Waldrup, MS	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. stephens Meridian, Jasper County, on paved county road, 8.7 mi (14.0 km) south of Waldrup.	30.4	1965-70‡, 1971-82	2-16-82	14.09	900
02473498	Tallahala Creek tributary at 8th St. at Laurel, MS	Lat 31°41'55", long 89°07'44", in SE¼ sec.32, T.9 N., R.11 W., St. Stephens Meridian, Jones County, at wooden box bridge of 8th Street in park, 200 ft (61 m) east of 4th Ave. in Laurel.	1.12	1975-82	8- 1-82	236.90	386
02473610	Tallahala Creek tributary No. 2 at Grandview Dr., at Laurel, MS	Lat 31°40'44", long 89°09'19", in N½ sec.12, T.8 N., R.12 W., St. Stephens Meridian, Jones County, at bridge at intersection of Grandview Drive and West Drive in Laurel.	1.52	1975-82	2-16-82	227.83	225
02473850	Tallahoma Creek tributary at Lake Como, MS	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, T.1 N., and NE¼ sec.6, R.11 E., (revised) Choctaw Meridian, Jasper County at culvert on State Highway 528, 0.5 mi (0.8 km) east of Lake Como.	3.21	1966-82	2-16-82	6.91	(†)
02474650	Buck Creek near Runnelstown, MS	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, at bridge on State Highway 42, 2.5 mi (4.0 km) above mouth, and 3.7 mi (6.0 km) east of Runnelstown.	20.8	1951-82	---	(c)	(†)

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1982--Continued

Station No.	Station Name	Location	Drainage area (mi²)	Period of record	Annual maximum Date	 Gage height (feet)	 Discharge (ft³/s)
		Pascagoula River basin--Continued					
02475050	Waterfall Branch near McLain, MS	Lat 31°07'10", long 88°45'25", in SW¼NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 57, 4.2 mi (6.8 km) east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft (0.219 m) lower.	0.65	1955-82	2- 2-82	6.31	237
02475220	Little Rock Creek tributary near Little Rock, MS	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw Meridian, Newton County, at culvert on State Highway 494, 1.2 mi (1.9 km) southeast of Little Rock.	.22	1965-82	7-31-82	2.99	23
02477050	Souinlovey Creek near Baxter, MS	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw Meridian, Jasper County, at culvert on State Highway 15, 2.6 mi (4.2 km) north of Baxter.	1.14	1965-82	7-31-82	12.03	965
02477090	Powers Creek near Rose Hill, MS	Lat 32°07', long 89°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw Meridian, Jasper County at culvert on State Highway 18, 3.0 mi (4.8 km) southwest of Rose Hill.	.52	1965-82	4-20-82	3.94	86
02477330	Shubuta Creek near Shubuta, MS	Lat 31°53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, at county highway, 1.5 mi (2.4 km) northwest of Shubuta, and 5.0 mi (8.0 km) above mouth.	75.5	1963-82	4-20-82	14.02	1,550
02478600	Granny Branch at Piave, MS	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 63, 0.3 mi (0.5 km) southwest of Piave.	.69	1967-82	10-26-81	5.26	234
02479187	Red Creek tributary near Wiggins, MS	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens Meridian, Stone County on State Highway 26, 5.3 mi (8.5 km) west of Wiggins.	.22	1966-82	4-20-82	4.80	80
		Tchoutacabouffa River basin					
02480500	Tuxachanie Creek near Biloxi, MS	Lat 30°31'35", long 88°54'40", in SE¼NW¼ sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, at bridge on State Highway 15 7.0 mi (11.3 km) north of city limits of Biloxi.	92.4	1952-71‡ 1972-82	2- 2-82	13.85	3,400
		Biloxi River basin					
02481130	Biloxi River near Lyman, MS	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 mi (1.9 km) downstream from Little Biloxi River, 4.6 mi (7.4 km) east of Lyman.	251	1965-82	4-26-82	18.26	12,600
		Pearl River basin					
02482100	Indian Branch near Edinburg, MS	Lat 32°46'50", long 89°25'30", in NW¼NE¼NE¼ sec.25, T.11 N., R.8 E., Choctaw Meridian, Leake County, on State Highway 16, 5.4 mi (8.7 km) west of Edinburg.	1.91	1966-82	1-23-82	2.74	123

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1982--Continued

Station No.	Station Name	Location	Drainage area (mi²)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft³/s)
		Pearl River basin--Continued					
02482310	Lobutcha Creek tributary at Wamba, MS	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 0.3 mi (0.5 km) west of Wamba.	0.94	1965-82	4-20-82	5.92	310
02483890	Yockanookany River tributary near McCool, MS	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw Meridian, Attala County, at culvert on State Highway 12, 4.0 mi (6.4 km) southwest of McCool.	.34	1965-82	1-23-82	4.49	178
02484600	Coffee Bogue at Ludlow, MS	Lat 32°34'25", long 89°43'48", in N½ of line between sec.1 and 6, T.8 N., R.5 E., Choctaw Meridian, Scott County, at bridge on county road, 1.0 mi (1.6 km) west of Ludlow.	77	1975-82	4-20-82	12.13	2,290
02484750	Red Cane Creek tributary near Pisgah, MS	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw Meridian, Rankin County, at circular culvert on State Highway 43, 4.1 mi (6.6 km) east of Pisgah.	.10	1965-82	4-20-82	4.28	42
02484760	Fannegusha Creek near Sand Hill, MS	Lat 32°30'20", long 89°48'45", in SW¼ sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, at bridge on county road, 3.9 mi (6.3 km) east of Sand Hill.	52.3	1975-82	4-12-80 3- 6-81 4-20-82	13.35 10.55 10.64	d9,000 d1,950 2,090
02485380	Hollybush Creek tributary No. 1 near Pisgah, MS	Lat 32°26'00", long 89°48'50", in NW¼ sec.20, T.7 N., R.5 E., Choctaw Meridian, Rankin County at culvert on State Highway 43, 7.2 mi (11.6 km) southeast of Pisgah.	.59	1965-82	5-22-82	5.29	183
02485392	Clear Creek tributary near Pelahatchie, MS	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw Meridian, Rankin County, at circular culvert on State Highway 43, 3.3 mi (5.3 km) north of intersection of Highways 80 and 43 in Pelahatchie.	.12	1965-82	7- 2-81d 12-31-81	d6.53 4.75	d134 63
02485650	Purple Creek at Jackson, MS	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, at Colonial Country Club, 600 ft (183 m) above Old Canton Road bridge, and 1.5 mi (2.4 km) above mouth.	6.12	1952-82	1-23-82	273.68	(†)
02485800	Eubanks Creek at Jackson, MS	Lat 32°20'15", long 90°09'40", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft (488 m) upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 mi (2.1 km) upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft (488 m) downstream at datum 0.74 ft (0.225 m) lower.	e3.21	1954-82	1-23-82	10.53	1,800

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1982--Continued

Station No.	Station Name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft³/s)
		Pearl River basin--Continued					
02485900	Neely Creek near Brandon, MS	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw Meridian, Rankin County, at culvert on New Airport Road, 5.4 mi (8.7 km) west of Brandon.	1.09	1965-82	8- 1-82	3.81	160
02485950	Town Creek at Jackson, MS	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft (91 m) above Illinois Central Railroad.	11.4	1953-82	2-16-82	8.80	2,070
02486100	Lynch Creek at Jackson, MS	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft (610 m) below U.S. Highway 80, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1958, at site 2,000 ft (610 m) upstream.	12	1955-82	2-16-82	12.30	2,460
02486115	Three Mile Creek at Jackson, MS	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, 300 ft (91 m) downstream from old U.S. Highway 51 (Terry Road), 0.6 mi (1.0 km) above Illinois Central Railroad.	1.05	1962-82	2-16-82	7.86	625
02487300	Strong River near Puckett, MS	Lat 32°04', long 89°45', in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, at State Highway 18, 2.0 mi (3.2 km) southeast of Puckett.	248	1958-82	2-16-82	22.84	4,300
02487500	Strong River at D'Lo, MS	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, on left bank at downstream side of old U.S. Highway 49, 0.2 mi (0.3 km) south of D'Lo.	425	1928-71‡, 1972-82	2-17-82	22.36	6,680
02487670	Boggans ditch near Mendenhall, MS	Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw Meridian, Simpson County, at culvert on State Highway 13, 5.5 mi (8.8 km) south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft (0.387 m) higher.	.94	1955-82	8- 1-82	3.77	122
02487900	Copiah Creek near Hazlehurst, MS	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, at bridge on State Highway 28, 6.2 mi (10.0 km) east of Hazlehurst.	47.4	1948-65, 1966-68‡ 1969-82	---	(b)	<3,600
02488340	Small Pine ditch near Monticello, MS	Lat 31°32'50", long 90°15'40", in SW¼NW¼ sec.25, T.7 N., R.9 E., Washington Meridian, Lincoln County, at culvert on U.S. Highway 84, 9.0 mi (14.5 km) west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft (0.256 m) higher.	.16	1955-77 1981-82	12-31-82	4.13	55
02488550	Goines Draw near Prentiss, MS	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens Meridian, Simpson County, at culvert on State Highway 13, 12.2 mi (19.6 km) north of Prentiss.	.34	1955-82	2-16-82	1.56	31
02489030	Elmers Draw near Columbia, MS	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, at U.S. Highway 98, 5.7 mi (9.2 km) west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft (0.341 m) higher.	.91	1955-82	8- 1-82	9.84	669

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1982--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Pearl River basin--Continued					
02490550	Middle Fork Hickory Flat near Tylertown, MS	Lat 31°10', long 90°13', on line between secs.5 and 8, T.2 N., R.10 E., Washington Meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mi (0.3 km) above Fernwood, Columbia, and Gulf Railroad, and 5.5 mi (8.8 km) northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft (3.338 m) lower.	1.46	1953-82	8- 1-82	5.94	465
02492360	West Hobolochitto Creek near McNeill, MS	Lat 30°39'42", long 89°41'10", in NW¼NE¼ sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, at bridge on county road, 3.1 mi (5.0 km) west of McNeill	175	1966-68‡ 1969-82	3-31-82	20.19	5,980
		Yazoo River basin					
07267000	Hell Creek near New Albany, MS	Lat 34°30'55", long 89°03'10", in SW¼ sec.36, T.6 S., R.2 E., Chickasaw Meridian, Union County at bridge on U.S. Highway 78, 3.0 mi (4.8 km) northwest of New Albany, and 4.5 mi (7.2 km) above mouth.	27.3	1939-42‡, 1952-82	1-21-82	10.61	4,200
07268500	Cypress Creek near Etta, MS	Lat 34°26', long 89°17', in SE¼ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, at bridge on State Highway 30, 4.5 mi (7.2 km) southwest of Etta, and 5.0 mi (8.0 km) above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft (3.048 m) higher.	8.5	1939-42‡, 1952-82	---	(b)	(†)
07269000	North Tippah Creek near Ripley, MS	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, at bridge on State Highway 4, 2.0 mi (3.2 km) upstream from Tippah Creek, and 5.5 mi (8.8 km) west of Ripley.	20	1939-42‡, 1952-82	---	(b)	(†)
07274250	Otoucalofa Creek at Water Valley, MS (Prior to Oct. 1, 1972, published as Otuckalofa Cr.)	Lat 34°08'25", long 89°38'17", in SW¼ NE¼ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mi 1.4 km) south of Water Valley, and 5.2 mi (8.4 km) above mouth.	84.1	1952-82	6- 4-82	21.14	(†)
07275500	Long Creek at Courtland, MS	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, at bridge on U.S. Highway 51, 1.0 mi (1.6 km) south of Courtland, 5.5 mi (8.8 km) above mouth, and 6.0 mi (9.7 km) south of Batesville.	66.2	1940-43‡ 1952-82	6- 4-82	9.90	(†)
07283490	Caney Creek near Coffeeville, MS	Lat 33°55'40", long 89°38'20", in SE¼ NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw Meridian, Yalobusha County, at culvert on State Highway 330, 4.2 mi (6.7 km) east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft (2.707 m) lower.	1.97	1955-82	8-11-82	8.18	(†)
07285700	Long Creek near Cascilla, MS	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, at culvert on county highway, 1.1 mi (1.8 km) east of Cascilla.	1.64	1965-82	4- 2-82	10.40	1,180
07286520	Big Sand Creek tributary near North Carrollton, MS	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw Meridian, Carroll County, at 3.0 ft (0.91 m) corrugated pipe on county highway 2.4 mi (3.9 km) east of North Carrollton.	.09	1965-82	4-19-82	5.49	44
07287165	Mosquito Lake tributary No. 1 at Itta Bena, MS	Lat 33°28'55", long 90°19'30", in SE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.5 mi (0.8 km) south of compress at Itta Bena.	.11	1966-82	---	(e)	(†)

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1982--Continued

Station No.	Station Name	Location	Drainage area (mi²)	Period of record	Annual maximum Date	 Gage height (feet)	 Discharge (ft³/s)
		Yazoo River basin--Continued					
07287170	Mosquito Lake tributary No. 2 at Itta Bena, MS	Lat 33°28'45", long 90°19'20", in NE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.8 mi (1.3 km) south of compress at Itta Bena.	0.13	1966-82	5-25-82	3.75	51
07287350	Fannegusha Creek near Tchula, MS	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, on State Highway 12, 3.0 mi (4.8 km) east of Tchula.	100	1953-65f 1968-82	5-25-82	23.29	17,000
		Big Black River basin					
07289265	Hays Creek tributary No. 1 near Vaiden, MS	Lat 33°23'10", long 89°45'40", in NE¼NW¼ sec.34, T.18 N., R.5 E., Choctaw Meridian, Carroll County, at bridge on U.S. Highway 51, 3.9 mi (6.2 km) north of Vaiden.	14	1975-82	4-20-82	22.19	880
07289395	Sharkey Creek tributary near West, MS	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 4.7 mi (7.6 km) southeast of West.	.30	1967-82	5-25-82	7.79	190
07289470	Tacketts Creek tributary near Pickens, MS	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw Meridian, Holmes County, at culvert on State Highway 17, 3.6 mi (5.8 km) north of Pickens.	.15	1965-82	1-23-82	7.07	222
07289600	Tilda Bogue near Canton, MS	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, at bridge on U.S. Highway 51, 3.0 mi (4.8 km) north of Canton, and 3.5 mi (5.6 km) above mouth.	24.4	1948-82	10-26-81	16.59	1,000
07289641	Panther Creek tributary near Flora, MS	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw Meridian, Madison County, at culvert on State Highway 22, 8.3 mi (13.4 km) northeast of Flora.	.07	1965-82	4-17-82	5.15	88
07290005	Clear Creek near Bovina, MS	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw Meridian, Warren County, on county road, 1.0 mi (1.6 km) northeast of Bovina.	g36	1953-82	8- 1-82	28.07	12,200
		Bayou Pierre basin					
07290525	Whiteoak Creek tributary near Utica, MS	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw Meridian, Hinds County at culvert on State Highway 27, 6.3 mi (10.1 km) southeast of Utica.	1.36	1965-82	2-16-82	7.29	370
07290690	Clarks Creek near Pattison, MS	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, at bridge on county highway, 1.3 mi (2.1 km) above mouth, and 2.5 mi (4.0 km) east of Pattison.	77.4	1961-62‡, 1963-82	4-21-82	17.43	8,000
07290830	Little Creek near Fayette, MS	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, at culvert on State Highway 33, 2.0 mi (3.2 km) south of Fayette.	1.71	1967-82	2-16-82	10.86	963
07290870	Coles Creek near Fayette, MS	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, at bridge on county highway, 0.7 mi (1.1 km) below confluence of North and South Forks of Coles Creek, and 10.0 mi (16.1 km) northwest of Fayette.	257	1961-62‡, 1963-82	3-31-82	19.88	12,300

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1982--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Homochitto River basin					
07291250	McCall Creek near Lucien, MS	Lat 31°30'24", long 90°38'45", in SW¼, sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, at U.S. Highway 84, 0.8 mi (1.3 km) east of Lucien.	g60	1953, 1955-82	---	(b)	(†)
		Thompson Creek basin					
07373550	Moores Branch near Woodville, MS	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, at State Highway 24, 3.3 mi (5.3 km) east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft (0.268 m) lower.	.21	1955-82	2-16-82	5.20	215
		Mississippi River Delta					
07375235	Tangipahoa River tributary near McComb, MS	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec.19, T.3 N., R.7 E., Washington Meridian, Pike County, on State Highway 24, 4.8 mi (7.7 km) southwest of McComb.	2.71	1966-82	3-31-82	5.95	560
07376760	CRS Draw near Liberty, MS	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington Meridian, Amite County, on State Highway 48, 6.6 mi (10.6 km) west of intersection with Highway 24 in Liberty.	.80	1966-82	3-31-82	8.79	573

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† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Gage heights and discharge measurements in files of Corps of Engineers.
b Peak stage did not reach bottom of gage.
c High-water mark was not determined.
d Revised.
e Total drainage area 5.19 mi^2 (13.4 km^2)
f Published at site near Howard, 3 mi (5 km) downstream.
g Approximately.

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

Discharge measurements made at miscellaneous sites during water year 1982

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft³/s)
		Mobile River basin				
Black Branch	Mackeys Creek	Lat 34°39'53", long 88°15'00", in N½ sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County on Illinois Central Railroad bridge, 0.5 mi (0.8 km) north of Paden.	1.45	1972, 1974-78, 1980-81	8- 5-82	*0.17
Sandy Hook Creek	Mackeys Creek	Lat 34°38'16", long 88°17'06", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.8 mi (2.9 km) southwest of Paden.	1.25	1972, 1974-78, 1980-81	8- 5-82	*.38
Nichols Creek	Tombigbee River	Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, on U.S. Highway 45, 3.2 mi (5.1 km) southeast of Aberdeen.	24.1	1977-81,	10-14-81 11- 4-81 2- 9-82 8- 3-82 9-13-82	*4.94 *5.10 13.5 11.1 *4.38
Trimcane Creek	Line Creek	Lat 33°27'02", Long 89°00'52", in SW¼ sec.2, T.18 N., R.12 E., Choctaw Meridian, Oktibbeha County, on county road, 5.3 mi (8.5 km) southeast of Sherwood.	9.14	--	7-28-82	*0
Golden Horn Creek	Noxubee River	Lat 33°18'14", long 89°00'23", in SE¼ sec.26, T.17 N., R.12 E., Choctaw Meridian, Oktibbeha County, on county road, 3.7 mi (5.8 km) southeast of Sturgis.	5.37	--	7-28-82	*0
Sand Creek	Noxubee River	Lat 33°19'58", long 89°02'19", in SW¼ sec.16, T.17 N., R.12 E., Choctaw Meridian, Oktibbeha County, on county road, 1.0 mi (1.6 km) southeast of Sturgis.	43.6	--	7-28-82	1.63
Little Yellow Creek	Yellow Creek	Lat 33°11'51", long 88°49'48", in E½ sec.35, T.16 N., R.14 E., Choctaw Meridian, Winston County, on county road, 6.4 mi (10 km) southwest of Lynn Creek.	4.39	--	7-28-82	*0
Blackwater Creek	Hashuqua Creek	Lat 33°03'22", long 88°48'06", in NE¼ sec.19, T.14 N., R.15 E., Choctaw Meridian, Noxubee County, at State Highway 490, 4.4 mi (6.7 km) northeast of Fearns Springs.	10.4	--	7-27-82	*2.82
		Pascagoula River basin				
Lyon Creek	Leaf River	Lat 31°50'02", long 89°26'32", in SE¼ sec.18, T.10 N., R.14 W., St. Stephens Meridian, Smith County, on county road, 0.6 mi (1.0 km) northwest of Taylorsville.	2.68	--	12- 1-81	1.50
Plant Branch	Etehomo Creek	Lat 31°47'52", long 89°16'44", in NW¼ sec.35, T.10 W., R.13 W., St. Stephens Meridian, Jones County, 4.5 mi (7.2 km) south of Stringer, and 3.8 mi (6.0 km) north of Soso.	2.44	--	7-26-82	*.95

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1982--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft³/s)
		Pascagoula River basin--Continued				
Okatoma Creek	Bowie Creek	Lat 31°33'45", long 89°30'15", in NE¼ sec.21, T.7 N., R.15 W., St. Stephens Meridian, Covington County, on State Highway 590, 0.1 mi (0.2 km) west of Seminary.	204	1961, 1972, 1980-81	11- 3-81 7- 2-82 8-10-82 9-28-82	*74.8 102 191 *68.4
Horse Branch	Tallahattah Creek	Lat 31°52'16", long 89°03'00", in NE¼ sec.1, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, 6.0 mi (9.6 km) north of Sandersville, and 3.5 mi (5.6 km) west of Heidelberg.	--	--	7-26-82	*.77
Unnamed Creek	Tallahoma Creek	Lat 31°57'41", long 89°13'50", between secs.36 and 1, T.2 N. and T.1 N., R.10 E., Choctaw Meridian, Jasper County, on State Highway 528, 1.6 mi (2.4 km) east of Bay Springs.	--	--	7-27-82	*.59
Leaf River	Pascagoula River	Lat 31°13'28", long 89°02'36", in NE¼ sec.13, T.3 N., R.11 W., St. Stephens Meridian, Perry County, on county highway at Old Augusta, and 2.2 mi (3.3 km) northwest of New Augusta.	2650	1942-43 1968	6- 2-82	*977
Old Julie Branch	Bogue Homo Creek	Lat 31°49'10", long 89°00'18", in SW¼ sec.21, T.10 N., R.10 W., St. Stephens Meridian, Jones County, on U.S. Highway 11, 0.25 mi (0.4 km) north of Haney, and 2.5 mi (4.0 km) north of Sandersville.	2.17	--	7-27-82	*.46
Bogue Homo Creek	Leaf River	Lat 31°46'05", long 89°01'25", in NW¼ sec.8, T.9 N., R.10 W., St. Stephens Meridian, Jones County, 2.0 mi (3.2 km) northwest of Errata, and 0.1 mi (0.2 km) south of Sandersville.	51.4	--	8- 8-82	22.2
Reedy Creek	Bogue Homo Creek	Lat 31°47'18", long 89°02'48", in SE¼ sec.36, T.10 N., R.11 W., St. Stephens Meridian, Jones County, 0.2 mi (0.3 km) upstream of the confluence of Reedy Creek and Mayhaw Branch, in Sandersville.	8.15	--	8-10-82	.93
Terrell Creek	Little Bogue Homo Creek	Lat 31°48'37", long 88°58'20", in NW¼ sec.26, T.10 N., R.10 W., St. Stephens Meridian, Jones County, 5.2 mi (8.4 km) south of Heidelburg, and 3.8 mi (6.0 km) northeast of Sandersville.	2.19	--	7-27-82	*.67
Unnamed Creek	Pachuta Creek	Lat 32°00'16", long 88°50'20", in NW¼ sec.23, T.2 N., R.14 E., Choctaw Meridian, Clarke County, 4.0 mi (6.4 km) southeast of Pachuta, and 1.75 mi (2.8 km) northwest of Harmony.	--	--	8-12-82	*.06

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1982--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft³/s)
		Pascagoula River basin--Continued				
Castaffa Creek	Shubuta Creek	Lat 31°58'34", long 88°54'24", in SW¼ sec.30, T.2 N., R.14 E., Choctaw Meridian, Clarke County, on U.S. Highway 11, and 0.75 mi (1.2 km) south of Barnett.	9.17	--	8-11-82	5.31
Tampa Creek	Little Eucutta Creek	Lat 31°46'16", long 88°51'57", in SE¼ sec.2, T.9 N., R.9 W., St. Stephens Meridian, Wayne County, 2.2 mi (3.6 km) south of Eucutta, and 14.4 mi (23.2 km) northwest of Waynesboro.	4.00	--	8-13-82	1.23
Wagon Branch	Tampa Creek	Lat 31°46'20", long 88°51'49", in SE¼ sec.2, T.9 N., R.9 W., St. Stephens Meridian, Wayne County, on county road, 2.3 mi (3.7 km) south of Eucutta, 14.4 mi (23.2 km) northwest of Waynesboro.	1.65	--	8-13-82	.75
Little Eucutta Creek	Eucutta Creek	Lat 31°47'32", long 88°50'39", in NE¼ sec.36, T.10 N., R.9 W., St. Stephens Meridian, Wayne County, on county road, 1.7 mi (2.7 km) southeast of Eucutta, and 14.2 mi (32.8 km) northwest of Waynesboro.	--	--	8-12-82	7.34
Carson Sand Creek	Chickasawhay River	Lat 31°47'30", long 88°40'55", in W½ sec.34, T.10 N., R.7 W., St. Stephens Meridian, Wayne County, on U.S. Highway 45, 1.3 mi (2.1 km) southeast of Eucutta, and 8.1 mi (13.0 km) northwest of Waynesboro.	13.8	1952-56, 1958, 1966	8-18-82	9.49
Hortons Mill Creek	Chickasawhay River	Lat 31°44'37", long 88°39'11", in SW¼ sec.13., T.9 W., R.7 W., St. Stephens Meridian, Wayne County, on U.S. Highway 45, and 4.3 mi (6.9 km) north of Waynesboro.	7.43	1952-56, 1958, 1960, 1972	8-17-82	6.04
Limestone Creek	Chickasawhay River	Lat 31°43'13", long 88°38'40", in NE¼ sec.25, T.9 N., R.7 W., St. Stephens Meridian, Wayne County, on U.S. Highway 45, 2.0 mi (3.2 km) south of Boice, and 3.0 mi (4.8 km) north of Waynesboro.	2.43	--	8-17-82	1.86
Silver Creek	Yellow Creek	Lat 31°44'31", long 88°43'57", in SW¼ sec.18, T.9 N., R.7 W., St. Stephens Meridian, Wayne County, on county road, 2.0 mi (3.2 km) west of West King, and 7.0 mi (11.3 km) northeast of Waynesboro.	5.08	--	8-17-82	10.0
Sandy Creek	Yellow Creek	Lat 31°41'58", long 88°40'58", in SW¼ sec.34, T.9 N., R.7 W., St. Stephens Meridian, Wayne County, on county road, 0.8 mi (1.3 km) west of Woodwards, and 1.5 mi (2.4 km) northwest of Waynesboro.	--	--	8-13-82	6.22
Yellow Creek	Chickasawhay River	Lat 31°41'49", long 88°40'14", in SW¼ sec.35, T.9 N., R.7 W., St. Stephens Meridian, Wayne County, on county road, 1.1 mi (1.9 km) northwest of Waynesboro.	54.7	1963-65	8-20-82	39.4

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1982--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Pascagoula River basin--Continued				
Long Branch	Tallabogue Creek	Lat 32°01'28", long 88°37'47", in S½ sec.11, T.2 N., R.16 E., in Choctaw Meridian, Clarke County, on county road, 1.0 mi (1.6 km) north of Chancellor, and 5.8 mi (9.3 km) east of Quitman.	--	--	8-11-82	0.27
Hanging Moss Creek	Buckatunna Creek	Lat 31°53'32", long 88°31'04", in SW¼ sec.25, T.1 N., R.17 E., Choctaw Meridian, Clarke County, on county road, 3.0 mi (4.8 km) southeast of Horn, and 11.1 mi (17.8 km) northeast of Shubuta.	23.2	--	8-11-82	5.15
Cypress Creek	Buckatunna Creek	Lat 31°46'28", long 88°32'46", in SW¼ sec.1, T.9 N., R.6 W., St. Stephens Meridian, Wayne County, on county road, 2.5 mi (4.0 km) northwest of Gretna, and 7.5 mi (12.0 km) northeast of Waynesboro.	6.24	--	8-12-82	.31
Dry Creek	Buckatunna Creek	Lat 31°45'30", long 88°32'40", in SW¼ sec.12, T.9 N., R.6 W., St. Stephens Meridian, Wayne County, on county road, 6.5 mi (10.4 km) east of Boice, and 8.0 mi (12.9 km) northeast of Waynesboro.	25.4	--	8-12-82	5.33
Black Creek	Pascagoula River	Lat 31°11'24", long 89°22'36", in SW¼ sec.26., T.3 N., R.14 W., St. Stephens Meridian, Lamar County, on U.S. Highway 11, and 4.0 mi (6.4 km) northeast of Purvis.	171	--	7- 1-82 8-10-82 9-27-82	106 139 *34.4
Parker Creek	Red Creek	Lat 30°58'22", long 89°22'10", in SW¼ sec.11, T.1 S., R.14 W., St. Stephens Meridian, Pearl River County, on county road, 2.5 mi (4.0 km) south of Young, and 13.1 mi (21.1 km) northeast of Poplarville.	--	--	8-19-82	7.20
Unnamed Creek	Red Creek	Lat 30°58'21", long 89°21'41", in SE¼ sec.11, T.1 S., R.14 W., St. Stephens Meridian, Pearl River County, 2.0 mi (3.2 km) south of Young, and 13.4 mi (21.6 km) northeast of Poplarville.	3.42	--	8-19-82	.97
Wash Creek	Red Creek	Lat 30°57'45", long 89°20'43", in NE¼ sec.13, T.1 S., R.14 W., St. Stephens Meridian, Pearl River County, 2.5 mi (4.0 km) south of Elder Ridge, and 3.0 mi (4.8 km) southeast of Young.	--	--	8-19-82	.17

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1982--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft³/s)
		Pearl River basin				
Yockanookany River	Pearl River	Lat 33°18'58", long 89°11'30", in SW¼ sec.19, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, on county road, 1.0 mi (1.6 km) northwest of Ackerman.	7.80	1978	7-27-82	5.55
Besa Chitto	Yockanookany River	Lat 33°17'19", long 89°17'25", in SW¼ sec.31, T.17 N., R.10 E., Choctaw Meridian, Choctaw County, on county road, 1.5 mi (2.4 km) north of Weir, and 6.8 mi (10.9 km) southwest of Ackerman.	18.30	1970	7-27-82	4.84
Richland Creek	Pearl River	Lat 32°15'21", long 90°10'23", in SW¼ sec.23, T.5 N., R.1 E., Choctaw Meridian, Rankin County, on U.S. Highway 49, 1.7 mi (2.7 km) south of U.S. Highway 80, and 0.9 mi (1.4 km) southeast of Jackson.	125	1942-43, 1952-56, 1958, 1960, 1964	2-18-82	†2,900
Pearl River	Pearl River	Lat 31°14'14", long 89°50'54", in E½ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, on U.S. Highway 98, 2.2 mi (3.5 km) upstream from Silver Creek and 1.5 mi (2.4 km) southwest of Columbia.	5720	1928-54a, 1958, 1960-67, 1971, 1974, 1979-	10- 5-81 6-24-82 8- 3-82 9-14-82	*858 1,670 12,500 1,140
Clear Creek	Pearl River	Lat 31°04'03", long 89°38'18", in NE¼ sec.7, T.1 N., R.16 W., St. Stephens Meridian, Lamar County, on county road, 3.0 mi (4.8 km) southwest of Baxterville, and 12.0 mi (19.3 km) northwest of Lumberton.	15.1	--	8-18-82	9.74
Unnamed Creek	Clear Creek	Lat 31°04'14", long 89°38'26", in SE¼ sec.6, T.1 N., R.16 W., St. Stephens Meridian, Lamar County, on county road, 3.0 mi (4.8 km) southwest of Baxterville, and 12.0 mi (19.3 km) northwest of Lumberton.	--	--	9- 1-82	.57
Clear Creek	Pearl River	Lat 31°03'37", long 89°40'55", in SW¼ sec.11, T.1 N., R.17 W., St. Stephens Meridian, Marion County, on county road, 5.0 mi (8.0 km) southwest of Baxterville, and 15.7 mi (25.3 km) southwest of Columbia.	27.0	--	8-18-82	15.3
West Bogue Chitto	Bogue Chitto	Lat 31°32'40", long 90°28'33" in SW¼ sec.26, T.7 N., R.7 E., Washington Meridian, Lincoln County, on U.S. Highway 84, and 2.5 mi (4.0 km) southwest of Brookhaven.	28.2	1945, 1952-57‡, 1961, 1964, 1967-69, 1971	7- 8-82	*4.50
East Bogue Chitto	Bogue Chitto	Lat 31°33'19", long 90°26'04", in SE¼ sec.19, T.7 N., R.8 E., Washington Meridian, Lincoln County, on county road, 1.6 mi (2.6 km) southeast of Brookhaven.	17.6	1966	7- 8-82	*2.98

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1982--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft³/s)
		Pearl River basin--Continued				
Jordan Creek	Boone Creek	Lat 31°29'34", long 90°25'20", in NE¼ sec.17, T.6 N., R.8 E., Washington Meridian, Lincoln County, on county road, 2.5 mi (4.0 km) northwest of Enterprise, and 5.0 mi (8.0 km) south of Brookhaven.	11.5	--	7- 8-82	1.82
Boone Creek	Bogue Chitto	Lat 31°28'04", long 90°25'53", in SE¼ sec.19, T.6 N., R.8 E., Washington Meridian, Lincoln County, on county road, 2.5 mi (4.0 km) northeast of Bogue Chitto, and 7.4 mi (11.9 km) south of Brookhaven.	30.5	--	7- 8-82	5.35
Big Creek	Bogue Chitto	Lat 31°26'46", long 90°27'24", in NW¼ sec.36, T.6 N., R.7 E., Washington Meridian, Lincoln County, at bridge on U.S. Highway 51, 0.5 mi (0.8 km) north of Bogue Chitto, and 9.0 mi (14.5 km) south of Brookhaven.	55.1	1952-70‡	7- 7-82	4.82
Albritton Creek	Bogue Chitto	Lat 31°22'49", long 90°28'19", in S½ sec.23, T.5 N., R.7 E., Washington Meridian, Lincoln County, on U.S. Highway 51, 4.0 mi (6.4 km) south of Bogue Chitto, and 13.7 mi (22.0 km) southwest of Brookhaven.	--	1952-56, 1958, 1967, 1972	7- 8-82	2.54
Bogue Chitto	Pearl River	Lat 31°20'11", long 90°26'03", in SE¼ sec.6, T.4 N., R.8 E., Washington Meridian, Pike County, on county road, 1.4 mi (2.2 km) southeast of Johnstons Station, and 6.3 mi (10.1 km) north of McComb.	223	1971-72, 1974	7- 9-82	68.9
Lazy Creek	Bogue Chitto	Lat 31°20'36", long 90°23'56", in NE¼ sec.4, T.4 N., R.8 E., Washington Meridian, Pike County, on county road, 5.0 mi (8.0 km) northeast of Summit, and 7.4 mi (11.9 km) northeast of McComb.	8.27	--	7- 6-82	1.81
Bogue Chitto	Pearl River	Lat 31°16'10", long 90°21'40", in SW¼ sec.36, T.4 N., R.8 E., Washington Meridian, Pike County, on State Highway 44, 4.2 mi (6.8 km) southwest of Pricedale, and 6.0 mi (9.6 km) northeast of McComb.	261	1959, 1964, 1967-72‡	7- 8-82	99.0
Little Creek	West Topisaw Creek	Lat 31°21'09", long 90°21'01", in SE¼ sec.36, T.5 N., R.8 E., Washington Meridian, Lincoln County, 4.0 mi (6.4 km) southeast of Wilkinson, and 16.4 mi (26.4 km) southeast of Brookhaven.	8.12	--	7- 6-82	2.56
Bogue Chitto	Pearl River	Lat 31°01'22", long 90°12'33", in NE¼ sec.29, T.1 N., R.10 E., Washington Meridian, Walthall County, on county highway, 1.9 mi (3.0 km) west of Lehr, and 7.5 mi (12.1 km) southwest of Tylertown.	785	1969	6- 2-82 6-24-82 8- 3-82 9-15-82	449 472 4,100 367

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1982--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Tennessee River basin				
Little Yellow Creek	Yellow Creek	Lat 34°47'06", long 88°16'45", in SE¼ sec.30, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 3.5 mi (5.6 km) east of Holts Spur.	7.14	1980-81	8- 5-82	*0.87
		Yazoo River basin				
Unnamed Creek	Perry Creek	Lat 32°39'50", long 90°28'00", in SW¼ sec.36, T.10 N., R.3 W., Choctaw Meridian, Yazoo County, 4.6 mi (7.4 km) east of Satartia, and 6.0 mi (9.6 km) west of Bentonia.	--	--	8- 4-82	.58
Perry Creek	O'Neil Creek	Lat 32°43'27", long 90°28'14", in SE¼ sec.11, T.10 N., R.3 W., Choctaw Meridian, Yazoo County, on county road, 0.5 mi (0.8 km) southwest of Tinsley, and 6.0 mi (9.6 km) northeast of Satartia.	--	--	7- 1-82	1.91
Thompson Creek	Perry Creek	Lat 32°43'38", long 90°27'44", in SW¼ sec.12, T.10 N., R.3 W., Choctaw Meridian, Yazoo County, on county road, 0.4 mi (0.6 km) southwest of Tinsley, and 6.2 mi (9.9 km) northeast of Satartia.	--	--	7- 1-82	2.10
Pigeon Roost Creek	Big Black River	Lat 33°31'28", long 89°07'56", in SE¼ sec.10, T.19 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 15, 0.9 mi (1.4 km) south of Mathiston, and 14.7 mi (23.5 km) northeast of Ackerman.	--	--	7-29-82	2.69
		Big Black River basin				
Big ByWy Ditch	Big Black River	Lat 33°26'30", long 89°09'06", in NW¼ sec.9, T.18 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 15, 0.8 mi (1.3 km) north of Reform, and 5.7 mi (9.1 km) southwest of Mathiston.	23.0	1952-54, 1956, 1958, 1960, 1965-66, 1970	7-29-82	*23.1
Blytha Creek	Big ByWy Ditch	Lat 33°27'30", long 89°08'44", in NE¼ sec.4, T.18 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 15, 2.0 mi (3.2 km) north of Reform, and 4.4 mi (7.0 km) southwest of Mathiston.	2.74	--	7-29-82	*.81
Middle ByWy Creek	Big ByWy Ditch	Lat 33°25'52", long 89°17'39", in SW¼ sec.7, T.18 N., R.10 E., Choctaw Meridian, Choctaw county, on county road, 4.5 mi (7.2 km) southeast of Tomnolen, and 10.7 mi (17.2 km) northwest of Ackerman.	30.7	--	7-29-82	*7.70
McCurtain Creek	Big ByWy Ditch	Lat 33°26'05", long 89°22'40" in SW¼ sec.8, T.18 N., R.9 E., Choctaw Meridian, Choctaw County, on county road, 3.0 mi (4.8 km) northwest of French Camp, and 11.5 mi (18.4 km) northwest of Ackerman.	41.3	--	7-29-82	*16.0
Crape Creek	Big ByWy Ditch	Lat 33°24'07", long 89°30'13", between SW¼ of sec.19 and NW¼ of sec.30, T.18 N., R.8 E., Choctaw Meridian, Montgomery County on county road, 4.7 mi (7.5 km) southeast of Kilmichael, and 4.7 mi (7.5 km) southwest of Stewart.	18.6	--	7-30-82	*1.63

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1982--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft³/s)
		Big Black River basin--Continued				
Poplar Creek	Big Black River	Lat 33°19'40", long 89°28'53", in NW¼ sec.20, T.17 N., R.8 E., Choctaw Meridian, Montgomery County, on county road, 5.4 mi (8.6 km) northwest of French Camp, and 9.3 mi (14.9 km) southeast of Kilmichael.	43.7	--	7-30-82	*6.78
Loves Creek	Big Black River	Lat 32°49'24", long 89°58'29", in SE¼ sec.3, T.11 N., R.3 E., Choctaw Meridian, Madison County, on U.S. Highway 15, 1.5 mi (2.4 km) north of Oaks, and 14.6 mi (23.4 km) northeast of Canton.	11.7	--	9- 9-82	*.32
Doaks Creek	Big Black River	Lat 32°43'55", long 89°59'35", in N½ sec.9, T.10 N., R.3 E., Choctaw Meridian, Madison County, on U.S. Highway 15, 2.2 mi (3.5 km) south of Sharpsburg, and 8.4 mi (13.4 km) north of Canton.	164	1943, 1948-70‡	9- 9-82	*11.6
		Coles Creek basin				
Folkes Creek	South Fork Coles Creek	Lat 31°38'46", long 91°09'33", in W½ lot 33, T.8 N., R.1 W., Washington Meridian, Jefferson County, on U.S. Highway 61, 3.1 mi (5.0 km) northeast of Cannonsburg, and 7.2 mi (11.5 km) southwest of Fayette.	31.0	1952-56, 1958, 1962	7-14-82	*1.51
South Fork Coles Creek	Coles Creek	Lat 31°44'54", long 91°10'50", in NE¼ lot 33, T.9 N., R.1 W., Washington Meridian, Jefferson County, on State Highway 553, and 7.3 mi (11.7 km) northwest of Fayette.	108	1961-63	7-14-82	*9.95
		St. Catherine Creek basin				
St. Catherine Creek	Mississippi River	Lat 31°34'51", long 91°17'36", in S½ lot 28, T.7 N., R.2 W., Washington Meridian, Adams County, on U.S. Highway 61, 0.5 mi (0.8 km) northeast of Washington, and 4.1 mi (6.6 km) northeast of Natchez.	8.55	1961-62, 1972, 1975	7-16-82	*1.14
St. Catherine Creek	Mississippi River	Lat 31°31'04", long 91°24'34", in SW¼ lot 8, T.6 N., R.3 W., Washington Meridian, Adams County, on State Highway 555, at Linwood, and 1.0 mi (1.6 km) south of Natchez.	75.7	1975	7-16-82	*2.89
		Homochitto River basin				
Shaws Creek	McCall Creek	Lat 31°35'58", long 90'33'10", in SE¼ sec.1, T.7 N., R.6 E., Washington Meridian, Lincoln County on county road, 2.0 mi (3.2 km) northeast of Vaughn, and 6.6 mi (10.6 km) east of Brookhaven.	--	--	7- 6-82	12.0
Hurricane Creek	McCall Creek	Lat 31°30'00", long 90"38'03", in SE¼ sec.7, T.6 N., R.6 E., Washington Meridian, Franklin County, on county road, 2.0 mi (3.2 km) southwest of Lucien, and 14.7 mi (7.5 km) west of Meadville.	--	--	7- 7-82	3.39

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1982--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft³/s)
		Homochitto River basin--Continued				
Tom Branch	Middle Fork Homochitto River	Lat 31°31'17", long 90°55'38", in NE¼ lot 5, T.6 N., R.3 E., Washington Meridian, Franklin County, on county road, 4.0 mi (6.4 km) northwest of Meadville.	--	--	7-15-82	0.17
Middle Fork Homochitto River	Homochitto River	Lat 31°28'59", long 90°54'51", in SW¼ lot 20, T.6 N., R.3 E., Washington Meridian, Franklin County, on county road, 1.5 mi (3.6 km) northwest of Meadville.	100	--	8-24-82	*31.3
Middle Fork Homochitto River	Homochitto River	Lat 31°28'06", long 90°54'34", on border between S½ of lots 26 and 28, T.6 N., R.3 E., Washington Meridian, Franklin County, on U.S. Highway 98 and 84, and 1.0 mi (1.6 km) west of Meadville.	156	1942-43, 1945, 1952-56, 1958, 1963, 1967-68, 1973	8-24-82	*44.1
Brushy Creek	Homochitto River	Lat 31°20'05", long 90°59'05", in SW¼ sec.2, T.4 N., R.2 E., Washington Meridian, Amite County, on county road, 1.8 mi (2.9 km) north of Bunkley, and 11.0 mi (17.6 km) southwest of Bude.	40.4	--	7-15-82	23.7
Richardson Creek	Homochitto River	Lat 31°21'45", long 91°01'22", in NW¼ sec.34, T.5 N., R.2 E., Washington Meridian, Franklin County, on county road, 5.5 mi (8.8 km) east of Knoxville, and 10.7 mi (17.1 km) southwest of Meadville.	16.2	--	8-24-82	*.84
Foster Creek	Homochitto River	Lat 31°17'28", long 91°04'50", in SE¼ lot 29, T.4 N., R.1 E., Washington Meridian, on State Highway 33, 0.8 mi (1.3 km) southeast of Crosby, and 13.0 mi (20.8 km) north of Centreville.	31.1	--	8-24-82	*8.33
		Buffalo River basin				
Wells Creek	Beaver Branch	Lat 31°22'05", long 91°08'55", in S½ lot 43, T.5 N., R.1 E., Washington Meridian, Franklin County, on county road, 1.5 mi (2.4 km) west of Garden City, and 10.2 mi (16.3 km) southwest of Roxie.	79.1	--	8-25-82	*7.58
Pretty Creek	Homochitto River	Lat 31°22'27", long 91°12'25", in N½ lot 36, T.5 N., R.1 W., Washington Meridian, Adams County, 6.5 mi (10.4 km) west of Garden City, and 14.0 mi (22.4 km) southeast of Natchez.	3.98	--	8-24-82	*2.59
Sandy Creek	Homochitto River	Lat 31°22'55", long 91°14'40", in W½ lot 28, T.5 N., R.1 W., Washington Meridian, Adams County, on county road, 2.4 mi (3.8 km) northwest of Kingston, and 12.6 mi (20.2 km) northwest of Natchez.	50.1	1961-62, 1972	8-26-82	*10.8
Crooked Creek	Homochitto River	Lat 31°21'08", long 91°14'59", in S½ lot 53, T.5 N., R.1 W., Washington Meridian, Adams County, on county road, 7.2 mi (11.5 km) northeast of Doloroso, and 8.0 mi (12.8 km) south of Wilkinson.	21.8	1969	8-26-82	*.59

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1982--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		Buffalo River basin--Continued				
Second Creek	Homochitto River	Lat 31°23'20", long 91°23'15", in S½ lot 13, T.5 N., R.3 W., Washington Meridian, Adams County, on county road, 6.5 mi (10.4 km) southwest of Kingston, and 12.0 mi (19.2 km) south of Natchez.	55.3	1942-43, 1952-59‡, 1965	8-26-82	*12.3
		Mississippi River Delta				
East Fork Amite River	Amite River	Lat 31°18'26", long 90°38'03", in SE¼ sec.18, T.4 N., R.6 E., Washington Meridian, Amite County, on State Highway 570, 0.2 mi (0.3 km) west of Mars Hill, and 14.4 mi (23.0 km) northeast of Liberty.	39.1	--	7- 7-82	9.33

‡ Operated as a crest-stage gage

a Operated as a continuous-record gaging station

Water-quality partial-record stations are particular sites where chemical-quality, biological and/or sediment data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than quarterly.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARBONATE (MG/L AS CACO3)
02429975 - BLACK BRANCH AT PADEN, MS (LAT 34 39 53 LONG 088 16 11)											
AUG , 1982 05...	1010	.17	83	7.0	22.0	<1	1.8	9.4	34	42	1.0
02429985 - SANDY HOOK CREEK NR PADEN, MS (LAT 34 38 16 LONG 088 17 06)											
AUG , 1982 05...	1345	.39	28	6.8	20.0	4	8.5	9.2	13	9	.00
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS (LAT 34 47 06 LONG 088 16 45)											
AUG , 1982 05...	0830	.87	32	6.0	22.5	15	17	6.3	15	9	.00

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)
02429975 - BLACK BRANCH AT PADEN, MS (LAT 34 39 53 LONG 088 16 11)											
AUG , 1982 05...	15	1.2	1.2	6	.1	.7	41	2.0	1.3	53	.08
02429985 - SANDY HOOK CREEK NR PADEN, MS (LAT 34 38 16 LONG 088 17 06)											
AUG , 1982 05...	2.4	.8	1.4	23	.2	.9	11	2.0	1.0	32	.04
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS (LAT 34 47 06 LONG 088 16 45)											
AUG , 1982 05...	2.4	.8	1.8	27	.3	1.0	12	2.0	1.1	34	.05

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
02429975 - BLACK BRANCH AT PADEN, MS (LAT 34 39 53 LONG 088 16 11)											
AUG , 1982 05...	.03	<.10	.030	.67	.70	.010	.010	450	370	80	1
02429985 - SANDY HOOK CREEK NR PADEN, MS (LAT 34 38 16 LONG 088 17 06)											
AUG , 1982 05...	.03	<.10	.050	.45	.50	.020	<.010	1400	1200	210	2
03592703 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS (LAT 34 47 06 LONG 088 16 45)											
AUG , 1982 05...	.08	<.10	.040	.36	.40	.020	<.010	1500	1400	140	1

DATE	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
02429975 - BLACK BRANCH AT PADEN, MS (LAT 34 39 53 LONG 088 16 11)										
AUG , 1982 05...	0	1	40	0	50	.2	.0	.2	1	.00
02429985 - SANDY HOOK CREEK NR PADEN, MS (LAT 34 38 16 LONG 088 17 06)										
AUG , 1982 05...	0	2	60	30	30	3.0	2.8	.2	6	.00
03592703 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS (LAT 34 47 06 LONG 088 16 45)										
AUG , 1982 05...	0	2	90	30	60	.2	.0	.2	26	.06

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

Samples are collected at sites other than gaging stations and partial-record stations to give better areal coverage in a river basin. Such sites are referred to as miscellaneous sites.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
02440795 - LICK CREEK NR ADATON, MS (LAT 33 28 35 LONG 088 56 37)											
JUL , 1982											
28...	1635	<.50	860	7.0	--	5	1.5	6.4	324	72	35
02447195 - SAND CREEK NR STURGIS, MS (LAT 33 19 58 LONG 089 03 14)											
JUL , 1982											
28...	1145	1.6	40	6.8	20.5	80	70	5.2	10	2.0	1.3
02447320 - BIG CREEK NR STURGIS, MS (LAT 33 23 53 LONG 089 01 09)											
JUL , 1982											
28...	1500	<.50	95	6.7	26.0	40	35	3.6	33	6.6	4.1
02447337 - CYPRESS CREEK NR BRADLEY, MS (LAT 33 22 10 LONG 088 59 37)											
JUL , 1982											
28...	1330	<.50	74	6.5	25.0	30	24	4.2	28	5.3	3.6
02447758 - BLACKWATER CREEK NR FEARNS SPRINGS, MS (LAT 33 03 22 LONG 088 48 06)											
JUL , 1982											
27...	1500	2.8	52	6.9	28.0	60	20	6.7	19	3.7	2.4
02481744 - NANIH WAIYA CREEK NR BOON, MS (LAT 33 06 13 LONG 088 54 12)											
JUL , 1982											
27...	1700	<.50	48	6.5	26.5	80	6.0	4.4	14	3.3	1.3
02483598 - YOCKANOOKANY RIVER NW OF ACKERMAN, MS (LAT 33 18 58 LONG 089 11 30)											
JUL , 1982											
27...	1215	5.6	34	6.7	24.5	60	25	5.8	8	1.9	.9
02483750 - BESA CHITTO CREEK NR WEIR, MS (LAT 33 17 19 LONG 089 17 25)											
JUL , 1982											
27...	0730	4.8	68	6.2	22.5	130	100	5.7	9	2.2	.9
02483760 - TIBBY CREEK NR MCCOOL, MS (LAT 33 14 20 LONG 089 15 34)											
JUL , 1982											
27...	0945	<.50	32	6.3	23.5	110	60	5.2	8	1.7	.8
07289075 - PIGEON ROOST CREEK AT MATHISTON, MS (LAT 33 31 28 LONG 089 07 55)											
JUL , 1982											
29...	1245	2.7	130	7.1	25.5	75	62	4.3	30	7.1	2.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, VOLA- TILE, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
02440795 - LICK CREEK NR ACATON, MS (LAT 33 23 35 LONG 088 56 37)											
JUL , 1982 28...	45	23	1.1	6.9	350	26	--	--	--	88	.18
02447195 - SAND CREEK NR STURGIS, MS (LAT 33 19 53 LONG 089 02 14)											
JUL , 1982 28...	2.7	32	.4	1.7	3.0	2.4	38	.05	.16	17	.17
02447320 - BIG CREEK NR STURGIS, MS (LAT 33 23 53 LONG 089 01 09)											
JUL , 1982 28...	4.9	23	.4	3.0	21	4.5	73	.10	--	26	.08
02447337 - CYPRESS CREEK NR BRADLEY, MS (LAT 33 22 10 LONG 088 59 37)											
JUL , 1982 28...	5.9	29	.5	2.3	15	3.6	77	.10	--	27	--
02447758 - BLACKWATER CREEK NR FEARNS SPRINGS, MS (LAT 33 03 22 LONG 088 48 06)											
JUL , 1982 27...	3.0	24	.3	1.4	7.0	2.9	58	.08	.44	20	.09
02481744 - NANIH WAIYA CREEK NR BOON, MS (LAT 33 06 13 LONG 089 54 12)											
JUL , 1982 27...	2.7	29	.3	.7	3.0	3.5	58	.08	--	32	--
02483598 - OCKANOOKANY RIVER NW OF ACKERMAN, MS (LAT 33 18 58 LONG 089 11 30)											
JUL , 1982 27...	1.7	26	.3	1.9	4.0	2.2	46	.06	.70	26	.18
02483750 - BESA CHITTO CREEK NR WEIR, MS (LAT 33 17 19 LONG 089 17 25)											
JUL , 1982 27...	3.6	40	.5	1.7	5.0	3.5	51	.07	.66	29	.25
02483760 - TIBBY CREEK NR MCCOOL, MS (LAT 33 14 20 LONG 089 15 34)											
JUL , 1982 27...	2.6	40	.4	.6	1.0	2.9	36	.05	--	16	.17
07289075 - PIGEON ROOST CREEK AT MATHISTON, MS (LAT 33 31 28 LONG 089 07 55)											
JUL , 1982 29...	16	49	1.3	4.7	16	12	105	.14	.77	39	1.7

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WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)
02440795 - LICK CREEK NR ADATON, MS (LAT 33 23 35 LONG 088 56 37)											
JUL , 1982 28...	.020	.20	<1	<1	10	20	12	90	70	17	13000
02447195 - SAND CREEK NR STURGIS, MS (LAT 33 19 58 LONG 089 02 14)											
JUL , 1982 28...	.030	.20	<1	<1	6	10	5	3000	2700	320	3700
02447320 - BIG CREEK NR STURGIS, MS (LAT 33 23 53 LONG 089 01 09)											
JUL , 1982 28...	.020	.10	<1	<1	3	10	47	2600	1700	890	5600
02447337 - CYPRESS CREEK NR BRADLEY, MS (LAT 33 22 10 LONG 088 59 37)											
JUL , 1982 28...	--	<.10	<1	<1	6	<10	1	1900	1200	710	6200
02447758 - BLACKWATER CREEK NR FEARNS SPRINGS, MS (LAT 33 03 22 LONG 088 48 06)											
JUL , 1982 27...	.010	.10	<1	<1	1	<10	1	2700	2100	630	1900
02481744 - NANIH WAIYA CREEK NR BOON, MS (LAT 33 06 13 LONG 088 54 12)											
JUL , 1982 27...	.010	<.10	<1	<1	8	30	5	3900	800	3100	16000
02483593 - YOCKANOOKANY RIVER NW OF ACKERMAN, MS (LAT 33 18 58 LONG 089 11 30)											
JUL , 1982 27...	.020	.20	<1	<1	1	<10	1	1700	1200	490	1500
02483750 - BESA CHITTO CREEK NR WEIR, MS (LAT 33 17 19 LONG 089 17 25)											
JUL , 1982 27...	.050	.30	<1	<1	3	<10	2	5400	5100	300	4100
02443760 - TIBBY CREEK NR MCCOOL, MS (LAT 33 14 20 LONG 089 15 34)											
JUL , 1982 27...	.030	.20	<1	<1	6	10	3	2900	2400	470	16000
07289075 - PIGEON ROOST CREEK AT MATHISTON, MS (LAT 33 31 28 LONG 089 07 55)											
JUL , 1982 29...	.110	1.8	<1	<1	30	20	5	2500	2100	360	14000

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
02440795 - LICK CREEK NR ADATON, MS (LAT 33 29 35 LONG 088 56 37)											
JUL , 1982 28...	30	57	0	57	3600	<.01	<1	84	2.5	198	--
02447195 - SAND CREEK NR STURGIS, MS (LAT 33 19 58 LONG 089 02 14)											
JUL , 1982 28...	10	160	0	160	810	<.01	<1	12	5.4	108	.47
02447320 - BIG CREEK NR STURGIS, MS (LAT 33 23 53 LONG 089 01 09)											
JUL , 1982 28...	10	870	130	740	26	<.01	<1	20	7.1	48	--
02447337 - CYPRESS CREEK NR BRADLEY, MS (LAT 33 22 10 LONG 088 59 37)											
JUL , 1982 28...	<10	380	10	370	120	<.01	<1	9	5.4	124	--
02447758 - BLACKWATER CREEK NR FEARNS SPRINGS, MS (LAT 33 03 22 LONG 088 48 06)											
JUL , 1982 27...	<10	360	0	360	110	<.01	<1	4	5.9	44	.33
02481744 - NANIH WAIYA CREEK NR BOON, MS (LAT 33 06 13 LONG 088 54 12)											
JUL , 1982 27...	10	1600	0	1600	2200	<.01	<1	33	14	39	--
02483598 - YOCKANOOKANY RIVER NW OF ACKERMAN, MS (LAT 33 18 58 LONG 089 11 30)											
JUL , 1982 27...	<10	330	30	300	210	<.01	<1	1	11	71	1.1
02483750 - BESA CHITTO CREEK NR WEIR, MS (LAT 33 17 19 LONG 089 17 25)											
JUL , 1982 27...	<10	450	190	260	200	<.01	<1	6	12	170	2.2
02483760 - TIBBY CREEK NR MCCOOL, MS (LAT 33 14 20 LONG 089 15 34)											
JUL , 1982 27...	10	700	160	540	4400	<.01	<1	16	5.0	148	--
07289075 - PIGEON ROOST CREEK AT MATHISTON, MS (LAT 33 31 28 LONG 089 07 55)											
JUL , 1982 29...	30	530	130	450	2600	<.01	<1	44	8.3	154	1.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
07289210 - BIG BYWY DITCH NR MATHISTON, MS (LAT 33 26 28 LONG 089 09 04)											
JUL , 1982 29...	0815	23	41	6.5	23.5	75	85	6.5	24	5.1	2.7
07289213 - BLYTHA CREEK NR REFORM, MS (LAT 33 27 36 LONG 089 08 56)											
JUL , 1982 29...	1110	.81	54	7.2	24.5	50	14	5.2	16	3.7	1.6
07289214 - MIDDLE BYWY CREEK NR TOMNOLEN, MS (LAT 33 25 51 LONG 089 17 39)											
JUL , 1982 29...	1445	7.7	42	7.0	27.0	120	130	6.4	14	2.8	1.6
07289217 - MCCURTAIN CREEK NR STEWART, MS (LAT 33 26 07 LONG 089 22 34)											
JUL , 1982 29...	1545	16	35	6.5	25.5	55	30	6.1	9	1.9	1.1
07289219 - CRAPE CREEK NR KILMICHAEL, MS (LAT 33 24 06 LONG 089 30 14)											
JUL , 1982 30...	0945	1.6	48	5.6	26.5	75	48	4.6	15	2.9	1.8
07289230 - POPLAR CREEK NR FRENCH CAMP, MS (LAT 33 19 41 LONG 089 28 53)											
JUL , 1982 30...	0745	6.8	58	6.5	25.5	85	49	6.1	19	4.1	2.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, VOLA- TILE, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
07289210 - BIG BYWY DITCH NR MATHISTON, MS (LAT 33 26 28 LONG 089 09 06)											
JUL , 1982 29...	4.8	29	.4	1.3	4.0	2.7	48	.07	3.0	24	.06
07289213 - BLYTHA CREEK NR REFORM, MS (LAT 33 27 35 LONG 089 08 56)											
JUL , 1982 29...	5.9	43	.7	1.1	3.0	4.0	56	.08	.12	26	--
07289214 - MIDDLE BYWY CREEK NR TOMNOLEN, MS (LAT 33 25 51 LONG 089 17 39)											
JUL , 1982 29...	3.6	31	.4	3.2	5.0	3.0	52	.07	1.1	25	.16
07289217 - MCCURTAIN CREEK NR STEWART, MS (LAT 33 26 07 LONG 089 22 34)											
JUL , 1982 29...	3.5	43	.5	.8	3.0	2.7	44	.06	1.9	20	--
07289219 - CRAPE CREEK NR KILMICHAEL, MS (LAT 33 24 06 LONG 089 30 14)											
JUL , 1982 30...	2.5	24	.3	2.1	8.0	2.2	49	.07	.21	24	.17
07289230 - POPLAR CREEK NR FRENCH CAMP, MS (LAT 33 19 41 LONG 089 28 53)											
JUL , 1982 30...	4.1	29	.4	2.1	10	2.7	62	.08	1.1	28	.17

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ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)
07289210 - BIG BYWY DITCH NR MATHISTON, MS (LAT 33 24 28 LONG 089 09 06)											
JUL , 1982 29...	.040	.10	<1	<1	3	10	1	3700	3300	420	7900
07289213 - BLYTHA CREEK NR REFORM, MS (LAT 33 27 36 LONG 089 09 56)											
JUL , 1982 29...	.010	<.10	<1	<1	2	<10	1	2700	1800	890	3800
07289214 - MIDDLE BYWY CREEK NR TOMNOLEN, MS (LAT 33 25 51 LONG 089 17 39)											
JUL , 1982 29...	.040	.20	<1	<1	1	<10	1	8300	8000	290	2100
07289217 - MCCURTAIN CREEK NR STEWART, MS (LAT 33 26 07 LONG 089 22 34)											
JUL , 1982 29...	--	<.10	<1	<1	1	<10	1	3000	2500	530	2000
07289219 - CRAPE CREEK NR KILMICHAEL, MS (LAT 33 24 05 LONG 089 30 14)											
JUL , 1982 30...	.030	.20	<1	<1	3	10	3	3900	3700	220	3600
07289230 - POPLAR CREEK NR FRENCH CAMP, MS (LAT 33 19 41 LONG 089 28 53)											
JUL , 1982 30...	.030	.20	<1	<1	1	<10	1	4000	3500	550	1700

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
07289210 - BIG BYWY DITCH NR MATHISTON, MS (LAT 33 26 28 LONG 089 09 06)											
JUL , 1982 29...	10	480	210	270	660	<.01	<1	5	5.6	250	16
07289213 - BLYTHA CREEK NR REFORM, MS (LAT 33 27 36 LONG 089 03 56)											
JUL , 1982 29...	<10	500	110	390	1300	<.01	<1	7	6.6	52	.11
07289214 - MIDDLE BYWY CREEK NR TOMNOLEN, MS (LAT 33 25 51 LONG 089 17 39)											
JUL , 1982 29...	<10	250	100	150	200	<.01	<1	3	9.8	192	4.0
07289217 - MCCURTAIN CREEK NR STEWART, MS (LAT 33 26 07 LONG 089 22 34)											
JUL , 1982 29...	<10	150	70	79	890	<.01	<1	6	4.1	55	2.6
07289219 - CRAPE CREEK NR KILMICHAEL, MS (LAT 33 24 06 LONG 089 30 14)											
JUL , 1982 30...	10	500	80	420	810	<.01	<1	9	5.6	62	.27
07289230 - POPLAR CREEK NR FRENCH CAMP, MS (LAT 33 19 41 LONG 089 28 53)											
JUL , 1982 30...	<10	500	150	350	200	<.01	<1	4	7.7	76	1.4

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
02472058 - PLANT BRANCH NR SOSO, MS (LAT 31 47 54 LONG 089 16 44)									
JUL , 1982									
26...	1230	.96	117	6.4	22.0	7.8	20	5.0	1.7
02473477 - HORSE BRANCH NR HEIDELBERG, MS (LAT 31 52 16 LONG 089 03 00)									
JUL , 1982									
26...	1515	.78	2290	4.9	24.0	8.2	244	71	15
02473480 - TALLAHATTAH CREEK NR WALDRUP, MS (LAT 31 51 40 LONG 089 05 10)									
AUG , 1982									
11...	0930	12	392	6.7	25.0	8.3	72	24	2.7
02473810 - UNNAMED CREEK NR BAY SPRINGS, MS (LAT 31 57 41 LONG 089 13 51)									
JUL , 1982									
27...	0925	.60	310	6.5	25.5	4.2	81	27	3.4
02474569 - PRAIRIE CREEK NR HEIDELBERG, MS (LAT 31 52 02 LONG 089 00 42)									
JUL , 1982									
26...	1715	<5.0	750	7.2	25.5	7.6	169	60	4.3
024745735 - OLD JULIE BRANCH NR SANDERSVILLE, MS (LAT 31 49 10 LONG 089 00 17)									
JUL , 1982									
27...	1145	.46	717	7.3	25.0	3.4	40	11	3.1
02474574 - REEDY CREEK AT SANDERSVILLE, MS (LAT 31 47 17 LONG 089 02 48)									
AUG , 1982									
10...	1030	.94	184	6.5	25.5	3.6	27	7.5	2.0
024745785 - TERRELL CREEK NR SANDERSVILLE, MS (LAT 31 48 37 LONG 088 58 20)									
JUL , 1982									
27...	1420	.67	555	5.8	23.0	4.4	103	32	5.4
02477000 - CHICKASAWHAY RIVER AT ENTERPRISE, MS (LAT 32 10 32 LONG 088 49 10)									
AUG , 1982									
20...	1600	385	74	7.0	27.5	7.1	22	5.7	1.9
024771605 - UNNAMED CREEK NR HARMONY, MS (LAT 32 00 16 LONG 088 50 20)									
AUG , 1982									
12...	1245	.06	390	5.5	25.0	6.2	61	16	5.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	BROMIDE DISSOLV (UG/L)	BORON, DIS- SOLVED (UG/L AS B)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
02472058 - PLANT BRANCH NR SOSO, MS (LAT 31 47 56 LONG 089 16 44)								
JUL , 1982 26...	12	1.2	3.0	27	110	20	180	<1
02473477 - HORSE BRANCH NR HEIDELBERG, MS (LAT 31 52 16 LONG 089 03 30)								
JUL , 1982 26...	320	9.6	16	760	3620	100	4100	<1
02473480 - TALLAHATTAH CREEK NR WALDRUP, MS (LAT 31 51 40 LONG 089 05 10)								
AUG , 1982 11...	38	2.1	5.0	87	510	50	470	--
02473810 - UNNAMED CREEK NR BAY SPRINGS, MS (LAT 31 57 41 LONG 089 13 51)								
JUL , 1982 27...	21	1.1	15	61	--	--	--	--
02474569 - PRAIRIE CREEK NR HEIDELBERG, MS (LAT 31 52 02 LONG 089 00 42)								
JUL , 1982 26...	74	2.6	14	160	360	20	790	--
024745735 - OLD JULIE BRANCH NR SANDERSVILLE, MS (LAT 31 49 10 LONG 089 00 17)								
JUL , 1982 27...	140	10.0	25	150	900	--	--	<1
02474576 - REEDY CREEK AT SANDERSVILLE, MS (LAT 31 47 17 LONG 089 02 48)								
AUG , 1982 10...	19	1.7	4.0	35	--	--	--	--
024745785 - TERRELL CREEK NR SANDERSVILLE, MS (LAT 31 48 37 LONG 088 58 20)								
JUL , 1982 27...	52	2.3	4.0	160	1650	30	1100	--
02477000 - CHICKASAWHAY RIVER AT ENTERPRISE, MS (LAT 32 10 32 LONG 088 49 10)								
AUG , 1982 20...	4.7	.5	6.0	4.7	30.0	60	58	--
024771605 - UNNAMED CREEK NR HARMONY, MS (LAT 32 00 16 LONG 089 50 20)								
AUG , 1982 12...	39	2.3	6.0	100	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
024773143 - CASTAFFA CREEK AT BARNETT, MS (LAT 31 58 34 LONG 088 54 26)									
AUG , 1982 11...	1245	5.3	205	6.5	25.0	8.7	43	14	1.9
02477330 - SHUBUTA CREEK NR SHUBUTA, MS (LAT 31 53 34 LONG 088 44 20)									
AUG , 1982 20...	1145	32	85	7.2	26.5	7.2	29	9.7	1.3
024773553 - TAMPA CREEK NR EUCUTTA, MS (LAT 31 46 16 LONG 088 51 57)									
AUG , 1982 13...	1230	1.2	395	4.9	29.3	8.5	33	9.5	2.3
024773556 - WAGON BRANCH NR EUCUTTA, MS (LAT 31 46 19 LONG 088 51 49)									
AUG , 1982 13...	1030	.76	717	5.1	25.0	5.8	94	29	4.9
02477356 - LITTLE EUCUTTA CREEK NR EUCUTTA, MS (LAT 31 47 32 LONG 088 50 39)									
AUG , 1982 12...	1615	7.3	1050	5.1	28.5	7.2	104	31	5.7
02477400 - CARSON SAND CREEK AT HIWANNEE, MS (LAT 31 47 30 LONG 088 43 57)									
AUG , 1982 18...	0815	9.5	205	6.8	26.0	7.6	79	28	2.3
02477450 - HORTONS MILL CREEK NR WAYNESBORO, MS (LAT 31 44 38 LONG 088 39 12)									
AUG , 1982 17...	1115	6.0	510	7.3	23.5	7.9	123	44	3.1
02477453 - LIMESTONE CREEK NR WAYNESBORO, MS (LAT 31 43 13 LONG 088 34 40)									
AUG , 1982 17...	1430	1.9	275	7.0	24.5	7.9	85	30	2.5
02477480 - SILVER CREEK NR BOYCE, MS (LAT 31 44 31 LONG 088 43 57)									
AUG , 1982 17...	0830	10	735	5.5	23.0	7.4	58	16	4.1
02477489 - SANDY CREEK NR WAYNESBORO, MS (LAT 31 41 58 LONG 088 40 56)									
AUG , 1982 13...	0830	9.2	32	5.9	25.5	8.2	8	2.2	.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DISSOLV (UG/L)	BORON, DIS-SOLVED (UG/L AS B)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)
024773163 - CASTAFFA CREEK AT BARNETT, MS (LAT 31 58 34 LONG 088 54 26)								
AUG , 1982 11...	18	1.2	5.0	48	--	--	--	--
02477330 - SHUBUTA CREEK NR SHUBUTA, MS (LAT 31 53 04 LONG 088 44 20)								
AUG , 1982 20...	3.9	.3	3.0	5.9	--	--	--	--
024773553 - TAMPA CREEK NR EUCUTTA, MS (LAT 31 46 16 LONG 088 51 57)								
AUG , 1982 13...	55	6.3	4.0	110	--	--	--	--
024773556 - WAGON BRANCH NR EUCUTTA, MS (LAT 31 46 19 LONG 088 51 49)								
AUG , 1982 13...	89	4.2	2.0	200	2550	280	1400	--
02477356 - LITTLE EUCUTTA CREEK NR EUCUTTA, MS (LAT 31 47 32 LONG 088 50 39)								
AUG , 1982 12...	140	6.3	3.0	300	2180	140	1800	1
02477600 - CARSON SAND CREEK AT HIWANNEE, MS (LAT 31 47 30 LONG 088 40 57)								
AUG , 1982 18...	8.4	.4	14	14	--	--	--	--
02477650 - HORTONS MILL CREEK NR WAYNESBORO, MS (LAT 31 44 38 LONG 088 39 12)								
AUG , 1982 17...	38	1.6	4.0	110	920	160	690	--
02477653 - LIMESTONE CREEK NR WAYNESBORO, MS (LAT 31 43 13 LONG 088 38 40)								
AUG , 1982 17...	15	.7	8.0	38	--	--	--	--
02477680 - SILVER CREEK NR BOYCE, MS (LAT 31 44 31 LONG 088 43 57)								
AUG , 1982 17...	120	7.2	1.0	210	1400	180	1300	--
02477689 - SANDY CREEK NR WAYNESBORO, MS (LAT 31 41 58 LONG 088 40 56)								
AUG , 1982 13...	2.1	.3	1.0	3.1	50.0	20	16	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)
02477490 - YELLOW CREEK AT WAYNESBORO, MS (LAT 31 41 48 LONG 088 40 14)									
AUG , 1982 20...	0915	39	346	6.9	24.0	7.6	45	14	2.4
02477500 - CHICKASAWHAY RIVER NR WAYNESBORO, MS (LAT 31 40 46 LONG 088 41 00)									
AUG , 1982 20...	0815	E1050	121	7.1	27.0	7.0	33	10	1.8
02477875 - LONG BRANCH AT CHANCELLOR, MS (LAT 32 01 28 LONG 088 37 47)									
AUG , 1982 11...	1530	.28	1750	6.1	31.5	7.4	309	99	14
02477910 - HANGING MOSS CREEK NR CARMICHAEL, MS (LAT 31 53 32 LONG 088 31 04)									
AUG , 1982 11...	1730	5.2	142	6.1	27.5	6.3	50	18	1.2
02477955 - CYPRESS CREEK NR GRETNA, MS (LAT 31 46 28 LONG 088 32 46)									
AUG , 1982 12...	0945	.31	100	5.9	24.5	3.4	34	11	1.5
02477965 - DRY CREEK NR GRETNA, MS (LAT 31 45 30 LONG 088 32 40)									
AUG , 1982 12...	0815	5.3	276	6.7	25.0	7.3	106	39	2.0
02479182 - PARKER CREEK NR YOUNG, MS (LAT 30 58 22 LONG 089 22 10)									
AUG , 1982 19...	0830	7.2	198	5.7	24.5	5.5	33	9.2	2.3
024791825 - UNNAMED CREEK NR YOUNG, MS (LAT 30 58 21 LONG 089 21 41)									
AUG , 1982 19...	1015	.98	309	4.9	24.5	5.2	40	12	2.3
024791828 - DRY CREEK NR YOUNG, MS (LAT 30 57 49 LONG 089 21 08)									
AUG , 1982 19...	1200	<.50	265	5.9	24.5	5.5	34	9.0	2.7
02479183 - WASH CREEK NR YOUNG, MS (LAT 30 57 44 LONG 089 20 43)									
AUG , 1982 19...	1245	.18	150	4.9	25.0	3.5	20	4.9	1.9

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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02477490 - YELLOW CREEK AT WAYNESBORO, MS (LAT 31 41 48 LONG 088 40 14)								
AUG , 1982 20...	42	2.8	3.0	87	480	160	560	--
02477500 - CHICKASAWHAY RIVER NR WAYNESBORO, MS (LAT 31 40 46 LONG 088 41 00)								
AUG , 1982 20...	8.7	.7	7.0	5.8	<40.0	60	120	--
02477875 - LONG BRANCH AT CHANCELLOR, MS (LAT 32 01 28 LONG 088 37 47)								
AUG , 1982 11...	200	5.2	8.0	480	4700	640	3600	1
02477910 - HANGING MOSS CREEK NR CARMICHAEL, MS (LAT 31 53 32 LONG 088 31 04)								
AUG , 1982 11...	6.7	.4	4.0	13	--	--	--	--
02477955 - CYPRESS CREEK NR GRETNA, MS (LAT 31 46 28 LONG 088 32 46)								
AUG , 1982 12...	4.9	.4	6.0	9.0	--	--	--	--
02477965 - DRY CREEK NR GRETNA, MS (LAT 31 45 30 LONG 088 32 40)								
AUG , 1982 12...	8.7	.4	12	16	--	--	--	--
02479182 - PARKER CREEK NR YOUNG, MS (LAT 30 58 22 LONG 089 22 10)								
AUG , 1982 19...	20	1.6	1.0	52	370	70	210	--
024791825 - UNNAMED CREEK NR YOUNG, MS (LAT 30 58 21 LONG 089 21 41)								
AUG , 1982 19...	31	2.2	2.0	77	550	90	370	--
024791828 - DRY CREEK NR YOUNG, MS (LAT 30 57 49 LONG 089 21 08)								
AUG , 1982 19...	34	2.6	2.0	72	590	90	340	--
02479183 - WASH CREEK NR YOUNG, MS (LAT 30 57 44 LONG 089 20 43)								
AUG , 1982 19...	13	1.3	2.0	35	220	50	68	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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024892685 - CLEAR CREEK NR BAXTERVILLE, MS (LAT 31 05 47 LONG 089 37 17)									
AUG , 1982									
18...	1645	9.7	--	4.8	23.0	5.3	3	.7	.4
02489269 - UNNAMED CREEK NR BAXTERVILLE, MS (LAT 31 04 14 LONG 089 38 26)									
SEP , 1982									
01...	1230	.57	1070	5.7	27.0	6.9	126	40	5.9
024892695 - CLEAR CREEK NR PINEBUR, MS (LAT 31 03 37 LONG 089 40 55)									
AUG , 1982									
18...	1430	15	534	5.1	25.5	7.7	73	23	3.5
02490250 - BOGUE CHITTO NR BROOKHAVEN, MS (LAT 31 32 40 LONG 090 28 36)									
JUL , 1982									
08...	1050	4.5	62	6.3	26.5	--	14	3.3	1.3
02490260 - EAST BOGUE CHITTO NR BROOKHAVEN, MS (LAT 31 33 19 LONG 090 26 05)									
JUL , 1982									
08...	0900	3.0	54	5.9	23.0	--	11	2.6	1.2
02490249 - JORDAN CREEK NR ENTERPRISE, MS (LAT 31 29 34 LONG 090 25 15)									
JUL , 1982									
08...	1310	1.5	165	6.2	23.5	--	22	6.1	1.7
02490290 - BOONE CREEK NR BOGUE CHITTO, MS (LAT 31 28 04 LONG 090 25 53)									
JUL , 1982									
08...	1525	5.4	96	6.2	24.5	--	14	3.8	1.2
02490300 - BIG CREEK AT BOGUE CHITTO, MS (LAT 31 26 46 LONG 090 27 24)									
JUL , 1982									
07...	1600	4.5	46	6.4	25.5	--	8	1.8	.8
02490350 - ALLBRITTON CREEK NR BOGUE CHITTO, MS (LAT 31 22 49 LONG 090 28 19)									
JUL , 1982									
08...	1700	2.5	32	5.9	24.5	--	6	1.4	.6
02490357 - BOGUE CHITTO NR JOHNSTONS STATION, MS (LAT 31 20 11 LONG 090 26 03)									
JUL , 1982									
09...	0950	69	53	6.5	24.5	--	10	2.5	1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	BROMIDE DISSOLV (UG/L)	BORON, DIS- SOLVED (UG/L AS B)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
024892685 - CLEAR CREEK NR BAXTERVILLE, MS (LAT 31 05 47 LONG 089 37 17)								
AUG , 1982 18...	1.8	.5	2.0	3.2	70.0	20	8	--
02489269 - UNNAMED CREEK NR BAXTERVILLE, MS (LAT 31 04 14 LONG 089 38 26)								
SEP , 1982 01...	150	6.1	2.0	320	2890	130	1500	--
024892695 - CLEAR CREEK NR PINEBUR, MS (LAT 31 03 37 LONG 089 40 55)								
AUG , 1982 18...	59	3.2	3.0	150	1780	170	750	--
02490250 - BOGUE CHITTO NR BROOKHAVEN, MS (LAT 31 32 40 LONG 090 28 36)								
JUL , 1982 08...	4.5	.5	4.0	7.1	--	--	--	--
02490260 - EAST BOGUE CHITTO NR BROOKHAVEN, MS (LAT 31 33 19 LONG 090 26 05)								
JUL , 1982 08...	4.8	.6	3.0	5.3	--	--	--	--
02490289 - JORDAN CREEK NR ENTERPRISE, MS (LAT 31 29 34 LONG 090 25 15)								
JUL , 1982 08...	21	2.0	2.0	36	<100	50	190	--
02490290 - BOONE CREEK NR BOGUE CHITTO, MS (LAT 31 28 04 LONG 090 25 53)								
JUL , 1982 08...	10	1.2	2.0	15	--	--	--	--
02490300 - BIG CREEK AT BOGUE CHITTO, MS (LAT 31 26 46 LONG 090 27 24)								
JUL , 1982 07...	4.1	.7	1.0	5.2	--	--	--	--
02490350 - ALLBRITTON CREEK NR BOGUE CHITTO, MS (LAT 31 22 49 LONG 090 28 19)								
JUL , 1982 08...	3.7	.7	1.0	6.4	<100	<10	11	--
02490357 - BOGUE CHITTO NR JOHNSTONS STATION, MS (LAT 31 20 11 LONG 090 26 03)								
JUL , 1982 09...	4.6	.6	2.0	6.0	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
024903594 - LAZY CREEK NR JOHNSTONS STATION, MS (LAT 31 20 35 LONG 090 23 55)									
JUL , 1982									
06...	1520	1.8	267	4.4	23.0	--	31	7.7	2.8
02490370 - BOGUE CHITTO NR PRICEDALE, MS (LAT 31 16 10 LONG 090 21 40)									
JUL , 1982									
09...	1300	99	84	6.7	26.5	--	14	3.3	1.5
02490415 - LITTLE CREEK NR RUTH, MS (LAT 31 21 09 LONG 090 21 01)									
JUL , 1982									
06...	1745	2.6	400	6.1	23.0	--	50	12	4.9
07287574 - UNNAMED BRANCH NR OIL CITY, MS (LAT 32 39 56 LONG 090 27 58)									
AUG , 1982									
04...	1350	.59	8200	7.9	28.0	10.3	817	200	75
07287580 - PERRY CREEK AT TINSLEY, MS (LAT 32 43 27 LONG 090 28 13)									
JUL , 1982									
01...	1300	1.9	7300	8.0	32.5	10.1	669	160	63
07287587 - THOMPSON CREEK AT TINSLEY, MS (LAT 32 43 38 LONG 090 27 44)									
JUL , 1982									
01...	1550	2.1	2500	8.3	35.0	7.8	348	82	34
07289503 - LOVES CREEK NR PICKENS, MS (LAT 32 49 24 LONG 089 58 29)									
SEP , 1982									
09...	1030	.33	954	6.6	23.5	7.6	149	33	16
07289530 - DOAKS CREEK NR CANTON, MS (LAT 32 43 54 LONG 089 59 36)									
SEP , 1982									
09...	0900	12	113	6.7	22.0	6.4	30	7.0	3.1
07290850 - FOLKES CREEK NR CANNONSBURG, MS (LAT 31 33 49 LONG 091 09 33)									
JUL , 1982									
14...	1330	1.5	521	7.5	29.0	7.6	89	21	8.8
07290860 - SOUTH FORK COLES CREEK NR FAYETTE, MS (LAT 31 44 50 LONG 091 10 50)									
JUL , 1982									
14...	1120	10	400	7.8	28.0	7.8	94	22	9.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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024903594 - LAZY CREEK NR JOHNSTONS STATION, MS (LAT 31 20 35 LONG 090 23 55)								
JUL , 1982								
06...	38	3.1	8.0	70	--	--	--	--
02490370 - BOGUE CHITTO NR PRICEDALE, MS (LAT 31 16 10 LONG 090 21 40)								
JUL , 1982								
09...	8.7	1.0	2.0	13	--	--	--	--
02490415 - LITTLE CREEK NR RUTH, MS (LAT 31 21 09 LONG 090 21 01)								
JUL , 1982								
06...	53	3.4	4.0	110	540	<10	230	--
07287574 - UNNAMED BRANCH NR OIL CITY, MS (LAT 32 39 56 LONG 090 27 58)								
AUG , 1982								
04...	1200	19	25	2300	18500	380	7900	--
07287580 - PERRY CREEK AT TINSLEY, MS (LAT 32 43 27 LONG 090 28 13)								
JUL , 1982								
31...	1200	21	10	2100	7130	300	9200	<1
07287587 - THOMPSON CREEK AT TINSLEY, MS (LAT 32 43 38 LONG 090 27 44)								
JUL , 1982								
31...	350	8.5	20	690	2500	90	2400	<1
07289503 - LOVES CREEK NR PICKENS, MS (LAT 32 49 24 LONG 089 58 29)								
SEP , 1982								
09...	120	4.4	54	230	3240	<10	500	--
07289530 - DOAKS CREEK NR CANTON, MS (LAT 32 43 54 LONG 089 59 36)								
SEP , 1982								
09...	10	.8	13	10	--	--	--	--
07290850 - FOLKES CREEK NR CANNONSBURG, MS (LAT 31 38 49 LONG 091 09 33)								
JUL , 1982								
14...	67	3.2	3.0	100	<100	<10	190	--
07290860 - SOUTH FORK COLES CREEK NR FAYETTE, MS (LAT 31 44 50 LONG 091 10 50)								
JUL , 1982								
14...	43	2.0	3.0	65	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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07290893 - ST. CATHERINE CREEK AT WASHINGTON, MS (LAT 31 34 52 LONG 091 17 36)									
JUL , 1982									
15...	0840	1.1	320	8.1	25.0	8.1	153	38	14
07290915 - ST. CATHERINE CREEK AT LINWOOD, MS (LAT 31 31 04 LONG 091 24 33)									
JUL , 1982									
16...	1100	2.9	1350	8.5	29.0	10.4	307	75	29
07291000 - HOMOCHITTO RIVER AT EDDICETON, MS (LAT 31 30 10 LONG 090 46 35)									
AUG , 1982									
31...	1400	53	95	7.4	31.0	8.8	14	3.8	1.1
07291230 - SHAWS CREEK NR REDSTAR, MS (LAT 31 35 40 LONG 090 33 48)									
JUL , 1982									
06...	1245	12	108	6.2	25.0	--	17	3.7	1.8
07291248 - HURRICANE CREEK NR LUCIEN, MS (LAT 31 30 00 LONG 090 38 03)									
JUL , 1982									
07...	1330	3.4	110	6.5	28.0	--	20	4.7	1.9
07291748 - TOM BRANCH NR MEADVILLE, MS (LAT 31 31 17 LONG 090 55 38)									
JUL , 1982									
15...	1130	.17	2450	6.4	25.5	7.5	231	59	20
07291750 - MIDDLE FORK HOMOCHITTO RIVER AT MEADVILLE, MS (LAT 31 28 05 LONG 090 54 32)									
AUG , 1982									
24...	1145	44	253	6.7	28.5	7.7	21	5.4	1.8
07292180 - BRUSHY CREEK NR BUNKLEY, MS (LAT 31 20 04 LONG 090 59 04)									
JUL , 1982									
15...	1430	24	43	6.8	31.0	6.8	11	2.8	1.0
07292200 - RICHARDSON CREEK NR BUNKLEY, MS (LAT 31 21 46 LONG 091 01 20)									
AUG , 1982									
24...	1330	.95	238	6.4	27.5	6.8	22	5.7	1.9
07292460 - FOSTER CREEK NR CROSBY, MS (LAT 31 17 30 LONG 091 04 52)									
AUG , 1982									
24...	1530	8.3	70	7.1	28.0	8.7	14	3.6	1.3

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	BROMIDE DISSOLV (UG/L)	BORON, DIS- SOLVED (UG/L AS B)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
07290993 - ST. CATHERINE CREEK AT WASHINGTON, MS (LAT 31 34 52 LONG 091 17 36)								
JUL , 1982								
16...	8.7	.3	[illegible]	5.2	<100	<10	110	--
07290915 - ST. CATHERINE CREEK AT LINWOOD, MS (LAT 31 31 04 LONG 091 24 33)								
JUL , 1982								
16...	160	4.1	7.0	320	290	50	400	<1
07291000 - HOMOCHITTO RIVER AT EDDICETON, MS (LAT 31 30 10 LONG 090 46 35)								
AUG , 1982								
31...	12	1.4	2.0	21	230	20	38	--
07291230 - SHAWS CREEK NR REDSTAR, MS (LAT 31 35 40 LONG 090 33 48)								
JUL , 1982								
06...	14	1.5	3.0	23	--	--	--	--
07291249 - HURRICANE CREEK NR LUCIEN, MS (LAT 31 30 00 LONG 090 34 03)								
JUL , 1982								
07...	11	1.1	3.0	22	100	10	34	--
07291748 - TOM BRANCH NR MEADVILLE, MS (LAT 31 31 17 LONG 090 55 38)								
JUL , 1982								
15...	350	12	20	690	--	<10	950	--
07291750 - MIDDLE FORK HOMOCHITTO RIVER AT MEADVILLE, MS (LAT 31 28 05 LONG 090 54 32)								
AUG , 1982								
24...	38	3.7	4.0	61	--	--	--	--
07292190 - BRUSHY CREEK NR BUNKLEY, MS (LAT 31 20 04 LONG 090 59 04)								
JUL , 1982								
15...	4.0	.5	3.0	6.0	20.0	10	26	--
07292200 - RICHARDSON CREEK NR BUNKLEY, MS (LAT 31 21 46 LONG 091 01 20)								
AUG , 1982								
24...	33	3.2	1.0	53	80.0	60	130	--
07292460 - FOSTER CREEK NR CROSBY, MS (LAT 31 17 30 LONG 091 04 52)								
AUG , 1982								
24...	7.2	.3	3.0	9.1	--	--	--	--

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ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
07293250 - WELLS CREEK NR GARDEN CITY, MS (LAT 31 22 06 LONG 091 05 55)									
AUG , 1982									
25...	0915	7.6	596	6.2	26.5	--	61	16	5.0
07293480 - PRETTY CREEK NR KINGSTON, MS (LAT 31 22 27 LONG 091 12 40)									
AUG , 1982									
25...	1130	2.6	2040	6.2	21.5	7.6	237	62	20
07293490 - SANDY CREEK NR KINGSTON, MS (LAT 31 22 35 LONG 091 14 41)									
AUG , 1982									
25...	0745	11	1000	6.7	23.5	7.9	78	21	6.1
07293498 - CROOKED CREEK NR DOLOROSO, MS (LAT 31 21 07 LONG 091 14 56)									
AUG , 1982									
25...	1500	.59	131	6.8	35.5	7.2	36	9.3	3.1
07294000 - SECOND CREEK AT SIBLEY, MS (LAT 31 23 25 LONG 091 23 46)									
AUG , 1982									
26...	1045	12	490	7.7	26.5	7.7	154	37	15
07376640 - EAST FORK AMITE RIVER AT MARS HILL, MS (LAT 31 18 25 LONG 090 38 03)									
JUL , 1982									
07...	1130	9.3	110	6.2	22.5	--	19	4.4	1.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	BROMIDE DISSOLV (UG/L)	BORON, DIS- SOLVED (UG/L AS B)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
07293250 - WELLS CREEK NR GARDEN CITY, MS (LAT 31 22 06 LONG 091 08 55)								
AUG , 1982 25...	94	5.6	2.0	180	190	150	230	--
07293480 - PRETTY CREEK NR KINGSTON, MS (LAT 31 22 27 LONG 091 12 40)								
AUG , 1982 25...	390	9.9	3.0	620	1500	140	70	--
07293490 - SANDY CREEK NR KINGSTON, MS (LAT 31 22 35 LONG 091 14 41)								
AUG , 1982 26...	160	9.2	2.0	300	280	160	530	--
07293493 - CROOKED CREEK NR DOLOROSO, MS (LAT 31 21 07 LONG 091 14 56)								
AUG , 1982 26...	10	.9	4.0	15	--	--	--	--
07294000 - SECOND CREEK AT SIBLEY, MS (LAT 31 23 25 LONG 091 23 46)								
AUG , 1982 26...	60	1.6	4.0	80	270	30	170	--
07375440 - EAST FORK AMITE RIVER AT MARS HILL, MS (LAT 31 18 25 LONG 090 39 33)								
JUL , 1982 07...	13	1.3	1.0	24	--	--	--	--

Stations for short-term water-quality studies were established on selected stream reaches and estuaries to collect water-quality data systematically over a short-term period for use in hydrologic analysis. These data are collected during intensive water-quality studies generally conducted at lower stream discharge and higher stream temperature. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS

02479341 - PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1721	1.00	65	7.0	29.5	6.6
28...	1722	5.00	64	6.9	29.5	6.1
28...	1723	10.0	64	6.9	29.5	6.0
28...	1724	15.0	64	6.9	29.5	6.0
29...	0856	1.00	70	6.8	30.0	5.9
29...	0857	5.00	70	6.9	30.0	5.8
29...	0858	10.0	70	6.9	30.0	5.8
29...	0859	15.0	70	6.8	30.0	5.7

02479342 - PASCAGOULA RIVER AT MI 12 NR COLL TOWN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1714	1.00	598	7.1	29.5	6.6
28...	1715	5.00	690	6.8	29.5	6.2
28...	1716	10.0	743	6.8	29.5	6.0
28...	1717	15.0	3700	6.5	29.5	5.0
28...	1718	20.0	30800	6.9	29.0	.5
28...	1719	25.0	34600	6.8	28.5	.1
28...	1720	30.0	30000	6.9	28.0	.0
29...	0848	1.00	420	6.9	29.5	6.6
29...	0849	5.00	600	6.8	29.5	5.9
29...	0850	10.0	690	6.8	29.5	5.7
29...	0851	15.0	24300	6.6	29.5	1.3
29...	0852	20.0	33600	7.1	29.0	.3
29...	0853	25.0	35000	7.2	29.0	.1
29...	0854	29.0	35200	7.1	29.0	.2

302822088332500 - PASCAGOULA RIVER AT MI 11 024793422

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1708	1.00	1070	7.2	29.5	6.8
28...	1709	5.00	1280	6.8	29.5	6.2
28...	1710	10.0	1600	6.7	29.5	5.8
28...	1711	15.0	31300	6.6	29.5	1.1
28...	1712	20.0	37700	7.3	29.0	.3
29...	0842	1.00	677	7.0	29.5	6.5
29...	0843	5.00	723	6.9	29.5	6.0
29...	0844	10.0	812	6.8	29.5	5.7
29...	0845	15.0	34300	6.9	29.5	1.2
29...	0846	20.0	39200	7.3	29.0	.2
29...	0847	25.0	39100	7.3	29.0	.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302725088333700 - PASCAGOULA RIVER AT MI 10 024793427

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1700	1.00	1330	7.0	30.0	6.6
28...	1701	5.00	1390	6.9	30.0	6.4
28...	1702	10.0	2400	6.7	30.0	5.7
28...	1703	15.0	36700	7.3	29.5	.7
28...	1704	20.0	40100	7.4	29.0	.4
28...	1705	25.0	40400	7.4	29.0	.0
28...	1706	30.0	40500	7.4	29.0	.0
28...	1707	34.0	40000	7.4	29.0	.0
29...	0833	1.00	925	6.9	29.5	6.1
29...	0834	5.00	1090	6.8	29.5	5.8
29...	0835	10.0	1160	6.8	29.5	5.7
29...	0836	15.0	31500	7.1	29.5	1.2
29...	0837	20.0	39700	7.4	29.0	.3
29...	0838	25.0	40500	7.4	29.0	.1
29...	0839	30.0	42100	7.4	29.0	.0

302648088340600 - PASCAGOULA RIVER AT MI 9 024793423

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1654	1.00	1440	7.1	30.0	7.0
28...	1655	5.00	1500	6.9	30.0	6.5
28...	1656	10.0	3460	6.8	29.5	5.5
28...	1657	15.0	40000	7.4	29.5	.6
28...	1658	20.0	41900	7.5	29.0	.2
28...	1659	23.0	41400	7.5	29.0	.0
29...	0825	1.00	1400	6.9	29.0	6.3
29...	0826	5.00	1420	6.8	29.0	5.8
29...	0827	10.0	2900	6.6	29.0	5.4
29...	0828	15.0	26200	7.0	29.0	1.5
29...	0829	20.0	40900	7.4	29.0	.3
29...	0830	25.0	41800	7.4	29.0	.1
29...	0831	30.0	42000	7.4	29.0	.1
29...	0832	35.0	41800	7.5	29.0	.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02479343 - PASCAGOULA RIVER AT MI 9 NR ESCATAWPA, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
28...	1646	1.00	1850	7.1	30.0	6.5
28...	1647	5.00	1930	6.9	30.0	6.0
28...	1648	10.0	4320	6.7	30.0	5.5
28...	1649	15.0	39500	7.4	29.5	.9
28...	1650	20.0	44500	7.5	29.5	.5
28...	1651	25.0	42600	7.5	29.5	.4
28...	1652	27.0	42300	7.5	29.5	.3
29...	0814	1.00	1730	7.0	29.0	6.1
29...	0815	5.00	2290	6.8	29.0	5.6
29...	0816	10.0	15600	6.6	29.0	3.4
29...	0817	15.0	36300	7.4	29.0	.5
29...	0818	20.0	40000	7.5	29.0	.4
29...	0819	25.0	42200	7.4	29.0	.0

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL												
28...	1645	--	100	K1200	.010	<.10	.290	.62	.90	.080	.050	5.0
29...	0813	1.4	130	K4000	.010	<.10	.310	.49	.80	.080	.050	5.0

302526088333600 - PASCAGOULA RIVER AT MI 7 024793431

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
28...	1641	1.00	2570	7.0	30.0	6.9
28...	1642	5.00	2580	6.9	30.0	6.3
28...	1643	10.0	5470	6.8	30.0	5.4
28...	1644	15.0	44700	7.6	29.5	.6
29...	0807	1.00	2220	6.8	29.0	5.9
29...	0808	5.00	2250	6.8	29.0	5.8
29...	0809	10.0	13800	6.6	29.0	3.4
29...	0810	15.0	42600	7.6	29.0	.6
29...	0811	19.0	43400	7.6	29.0	.4

02480184 - ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
29...	1043	1.00	47	5.7	27.5	5.3
29...	1044	5.00	47	5.6	27.5	5.0
29...	1045	10.0	47	5.7	27.5	4.8
29...	1046	15.0	46	5.7	27.5	4.8
29...	1047	20.0	47	5.7	27.5	4.8
29...	1048	25.0	47	5.6	27.5	4.7

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PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302541088290100 - ESCATAWPA RIVER AT MI 7 024802053

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1901	1.00	46	5.5	27.5	5.3
28...	1902	5.00	46	5.5	27.5	5.0
28...	1903	10.0	46	5.4	27.5	4.8
28...	1904	15.0	46	5.5	27.5	4.8
28...	1905	20.0	46	5.5	27.5	4.7
28...	1906	25.0	46	5.5	27.5	4.7
28...	1907	30.0	45	5.4	27.5	4.7
28...	1908	35.0	46	5.4	27.5	4.7
28...	1909	39.0	49	5.5	27.5	4.6
29...	1026	1.00	60	5.5	27.5	4.8
29...	1027	5.00	70	5.6	27.5	4.8
29...	1028	10.0	79	5.6	27.5	4.7
29...	1029	15.0	90	5.6	27.5	4.7
29...	1030	20.0	1100	6.0	27.5	1.9
29...	1031	25.0	17500	6.5	28.0	1.0
29...	1032	30.0	19400	6.4	28.0	.9
29...	1033	35.0	19400	6.3	28.0	.6
29...	1034	40.0	20100	6.5	29.0	.6

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL												
28...	1900	--	K60	220	.010	<.10	.050	.45	.50	.020	.010	11
29...	1025	1.9	K28	K4500	.010	<.10	.170	.53	.70	.050	.020	9.7

302512088292200 - ESCATAWPA RIVER AT MI 6 024802054

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1855	1.00	197	5.7	27.5	4.8
28...	1856	5.00	327	5.7	27.5	4.7
28...	1857	10.0	687	5.6	27.5	4.6
28...	1858	15.0	3200	5.8	27.5	3.7
28...	1859	17.0	5800	6.0	27.5	3.2
29...	1020	1.00	605	5.8	28.0	5.2
29...	1021	5.00	785	5.8	28.0	4.9
29...	1022	10.0	1010	5.8	27.5	4.6
29...	1023	15.0	12400	6.1	28.0	1.7
29...	1024	17.0	26000	6.6	28.5	.2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302515088301300 - ESCATAWPA RIVER AT MI 5 024802055

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1846	1.00	1660	6.3	27.5	4.5
28...	1847	5.00	1830	6.1	28.0	4.4
28...	1848	10.0	3260	6.1	28.0	4.2
28...	1849	15.0	27200	6.6	28.0	.4
28...	1850	20.0	38600	7.1	29.0	.1
29...	1006	1.00	900	5.9	27.5	4.6
29...	1007	5.00	1220	5.9	27.5	4.6
29...	1008	10.0	3780	6.0	27.5	3.9
29...	1009	15.0	33600	6.9	28.5	.1
29...	1010	20.0	37600	7.1	29.0	.1
29...	1011	24.0	33500	6.8	29.0	.1

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL												
28...	1845	--	K65	K6000	.010	<.10	.290	.61	.90	.050	.040	6.4
29...	1005	2.7	120	>2000	.020	<.10	.370	.43	.80	.070	.040	7.9

302528088304400 - ESCATAWPA RIVER AT MI 4 024802057

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1838	1.00	1290	6.1	28.0	4.9
28...	1839	5.00	1380	6.0	28.0	4.7
28...	1840	10.0	2500	6.0	28.0	4.3
28...	1841	15.0	37800	7.1	28.5	.2
28...	1842	20.0	40200	7.3	29.0	.1
28...	1843	25.0	40700	7.2	29.0	.0
28...	1844	30.0	36100	6.5	29.0	.0
29...	0958	1.00	1100	6.0	27.5	4.6
29...	0959	5.00	1630	6.0	27.5	4.4
29...	1000	10.0	2100	6.2	27.5	4.0
29...	1001	15.0	37300	7.2	29.0	.1
29...	1002	20.0	40400	7.2	29.0	.1
29...	1003	25.0	41000	7.1	29.0	.0
29...	1004	29.0	41000	7.0	29.0	.0

PASCAGOULA AND ESCATAMPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302455088313100 - ESCATAMPA RIVER AT MI 3 024802061

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
28...	1831	1.00	2320	6.5	28.5	4.5
28...	1832	5.00	2720	6.4	28.5	4.0
28...	1833	10.0	6160	6.3	28.5	3.6
28...	1834	15.0	41800	7.3	28.5	.4
28...	1835	20.0	43700	7.4	29.0	.0
28...	1836	24.0	40200	6.6	29.0	.0
29...	0948	1.00	2360	6.9	28.0	2.7
29...	0949	5.00	2620	6.6	28.5	2.3
29...	0950	10.0	8430	6.5	28.5	1.3
29...	0951	15.0	41000	7.4	29.0	.0
29...	0952	20.0	46000	7.5	29.0	.1
29...	0953	25.0	44200	7.5	29.0	.0
29...	0954	30.0	44200	7.4	29.0	.0

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL												
28...	1830	--	210	>5000	.010	<.10	.360	.44	.80	.070	.060	7.9
29...	0947	3.2	620	>2000	.020	<.10	.470	.73	1.20	.090	.060	8.4

302459088320800 - ESCATAMPA RIVER AT MI 2 024802064

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
28...	1820	1.00	2620	6.4	29.5	3.9
28...	1821	5.00	3520	6.3	28.5	2.9
28...	1822	10.0	5900	6.3	28.0	2.9
28...	1823	15.0	40600	7.4	29.0	.1
28...	1824	20.0	44500	7.5	29.0	.0
28...	1825	24.0	42800	7.0	29.0	.0
29...	0940	1.00	2800	6.6	28.5	3.2
29...	0941	5.00	3530	6.4	29.0	2.2
29...	0942	10.0	6930	6.3	28.0	1.8
29...	0943	15.0	41500	7.4	28.5	.3
29...	0944	20.0	43300	7.5	29.0	.1
29...	0945	25.0	44400	7.5	29.0	.0
29...	0946	27.0	32400	6.8	29.0	.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1751	1.00	2570	6.4	29.5	3.5
28...	1752	5.00	2630	6.4	29.5	3.6
28...	1753	10.0	3610	6.3	29.0	2.0
28...	1754	15.0	41000	7.4	29.0	.0
28...	1755	20.0	44900	7.5	29.0	.0
29...	0923	1.00	3100	6.5	28.5	3.8
29...	0924	5.00	3250	6.5	28.5	3.3
29...	0925	10.0	11100	6.4	28.5	2.1
29...	0926	15.0	40700	7.4	29.0	.6
29...	0927	20.0	44200	7.5	29.0	.0
29...	0928	25.0	44400	7.5	29.0	.0

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL												
28...	1750	--	2400	>5000	.020	<.10	.280	.52	.80	.070	.040	6.0
29...	0922	1.9	230	>2000	.010	<.10	.270	.53	.80	.060	.040	9.6

DATE	TIME	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
JUL											
28...	1750	4.2	1848	130	370	4300	82	140	1400	6500	13100

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	ARSENIC TOTAL (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
JUL											
28...	14	1	<10	1	20	48	9	.7	11	<1	50

02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUL						
28...	1735	1.00	2910	6.3	29.5	4.6
28...	1736	5.00	3000	6.3	29.5	4.1
28...	1737	10.0	6810	6.2	29.5	2.3
28...	1738	15.0	43000	7.4	28.5	.5
28...	1739	20.0	45400	7.5	29.0	.4
28...	1740	25.0	44200	7.5	29.0	.1
29...	0915	1.00	3640	6.6	29.0	5.3
29...	0916	5.00	3790	6.6	29.0	5.0
29...	0917	10.0	9890	6.5	29.0	3.2
29...	0918	15.0	42900	7.4	29.0	.7
29...	0919	20.0	43600	7.5	29.0	.4
29...	0920	25.0	44100	7.5	29.0	.3
29...	0921	30.0	44500	7.5	29.0	.2

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302507088342800 - PASCAGOULA RIVER AT MI 6 024802082

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
28...	1631	1.00	2970	7.0	30.0	6.0
28...	1632	5.00	3300	6.8	30.0	5.7
28...	1633	10.0	17400	6.8	29.5	2.5
28...	1634	15.0	45200	7.7	29.5	.7
29...	0757	1.00	4190	7.0	28.5	5.7
29...	0758	5.00	4650	6.8	28.5	5.3
29...	0759	10.0	27000	7.1	29.0	2.5
29...	0800	15.0	44400	7.6	29.0	.6
29...	0801	20.0	45500	7.6	29.0	.5
29...	0802	23.0	45500	7.7	29.0	.4

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL												
28...	1630	--	1100	K22000	.020	.11	.150	.85	1.00	.060	.030	11
29...	0756	1.6	470	K6200	.020	<.10	.230	.27	.50	.060	.030	5.1

302430088350400 - PASCAGOULA RIVER AT MI 5 024802083

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
28...	1624	1.00	4400	7.1	30.0	6.4
28...	1625	5.00	4400	6.9	30.5	5.3
28...	1626	10.0	23400	7.0	29.5	2.1
28...	1627	15.0	45800	7.7	29.5	.8
28...	1628	18.0	46000	7.7	29.5	.6
29...	0751	1.00	6700	7.1	29.0	5.7
29...	0752	5.00	7400	7.0	29.0	5.5
29...	0753	10.0	23600	7.5	29.0	1.7
29...	0754	15.0	47400	7.7	29.0	.8
29...	0755	19.0	46900	7.7	29.0	.4

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAMPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302345088343800 - PASCAGOULA RIVER AT MI 4 024802087

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
28...	1617	1.00	5100	7.1	30.0	5.5
28...	1618	5.00	6700	6.9	30.0	4.6
28...	1619	10.0	23900	7.1	30.0	2.3
28...	1620	15.0	45300	7.8	29.5	1.0
28...	1621	20.0	47100	7.8	29.5	.8
28...	1622	24.0	46400	7.8	29.5	.2
29...	0744	1.00	7800	7.0	29.0	6.0
29...	0745	5.00	8000	7.0	29.0	5.4
29...	0746	10.0	35300	7.5	29.0	2.2
29...	0747	15.0	47800	7.7	29.0	.9
29...	0748	20.0	48100	7.7	29.0	.8
29...	0749	25.0	48100	7.7	29.0	.7

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL												
28...	1616	--	540	>2000	.010	<.10	.240	.46	.70	.060	.040	5.6
29...	0743	2.3	150	>1000	<.010	<.10	.210	.39	.60	.070	.040	4.6

302319088335400 - PASCAGOULA RIVER AT MI 3 024802091

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
28...	1607	1.00	6400	7.3	31.5	7.4
28...	1608	5.00	6700	7.1	31.0	6.1
28...	1609	10.0	23000	7.2	30.5	2.6
28...	1610	15.0	45900	7.8	30.0	1.4
28...	1611	20.0	47000	7.8	29.5	1.0
28...	1612	25.0	47300	7.8	29.5	.9
28...	1613	30.0	47400	7.8	29.5	.8
28...	1614	35.0	47600	7.8	29.5	.6
28...	1615	40.0	47600	7.8	29.5	.6
29...	0732	1.00	9100	7.1	29.0	5.2
29...	0733	5.00	9620	7.4	29.0	4.9
29...	0734	10.0	30000	7.7	29.0	2.2
29...	0735	15.0	47900	7.7	29.0	.8
29...	0736	20.0	48300	7.7	29.0	.8
29...	0737	25.0	48500	7.7	29.0	.8
29...	0738	30.0	48600	7.7	29.0	.8
29...	0739	35.0	47500	7.7	29.0	.8
29...	0740	40.0	47800	7.7	29.0	.9
29...	0741	45.0	48000	7.7	29.0	1.1
29...	0742	50.0	47600	7.7	29.0	1.3

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
28...	1547	1.00	8500	7.2	31.0	6.1
28...	1548	5.00	9100	7.2	31.0	6.2
28...	1549	10.0	39600	7.7	30.0	1.8
28...	1550	15.0	48700	7.8	29.5	1.1
28...	1551	20.0	49600	7.8	29.0	1.0
28...	1552	25.0	49700	7.8	29.0	.9
29...	0721	1.00	17700	7.4	28.5	5.5
29...	0722	5.00	19300	7.5	29.0	4.5
29...	0723	10.0	30600	7.6	29.0	2.9
29...	0724	15.0	47400	7.7	29.0	.8
29...	0725	20.0	48500	7.7	29.0	.8
29...	0726	25.0	49200	7.8	29.0	.8
29...	0727	29.0	48300	7.8	29.5	.8

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL												
28...	1546	--	180	>2000	.020	<.10	.260	.34	.60	.070	.040	6.1
29...	0720	1.8	500	>2000	.010	<.10	.260	.54	.80	.070	.040	4.0

DATE	TIME	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
JUL											
28...	1546	4.1	3431	220	700	5800	77	220	1600	13000	21600

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	ARSENIC TOTAL (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JUL											
28...	14	1	<10	1	10	35	8	1.0	5	<1	40

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
28...	1535	1.00	10600	7.3	31.0	6.5
28...	1536	5.00	15100	7.2	31.0	5.0
28...	1537	10.0	45800	7.8	29.5	1.4
28...	1538	15.0	47900	7.8	29.5	1.1
28...	1539	20.0	49100	7.8	29.5	1.0
28...	1540	25.0	49900	7.8	29.0	1.2
28...	1541	30.0	50500	7.9	29.0	1.3
28...	1542	35.0	50600	7.9	29.0	1.2
28...	1543	40.0	50700	7.8	29.0	1.3
28...	1544	43.0	48800	7.7	29.0	.7
29...	0710	1.00	17700	7.4	28.0	5.6
29...	0711	5.00	24100	7.6	28.5	5.3
29...	0712	10.0	44400	7.6	29.0	1.7
29...	0713	15.0	47400	7.7	29.0	1.4
29...	0714	20.0	49100	7.5	29.0	1.0
29...	0715	25.0	49300	7.7	28.5	.8
29...	0716	30.0	50500	7.7	28.5	.9
29...	0717	35.0	50800	7.7	28.5	.8
29...	0718	40.0	51000	7.7	28.5	.7
29...	0719	45.0	50900	7.7	28.5	.6

02480215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUL						
28...	1516	1.00	36000	7.3	30.5	5.2
28...	1517	5.00	36600	7.2	30.5	4.8
28...	1518	10.0	46300	7.7	30.0	1.6
28...	1519	15.0	47100	7.7	29.5	1.4
28...	1520	20.0	48000	7.7	29.5	1.4
28...	1521	25.0	49300	7.7	29.0	1.2
28...	1522	30.0	50000	7.7	29.0	1.3
28...	1523	35.0	50600	7.7	29.0	1.3
28...	1524	40.0	51000	7.8	29.0	1.5
29...	0701	1.00	26400	7.5	28.5	5.6
29...	0702	5.00	32000	7.6	29.0	4.6
29...	0703	10.0	39500	7.6	29.0	4.2
29...	0704	15.0	46100	7.6	29.0	1.6
29...	0705	20.0	48700	7.6	29.0	1.3
29...	0706	25.0	49600	7.6	28.5	.9
29...	0707	30.0	50000	7.6	28.5	1.1
29...	0708	35.0	50800	7.6	28.5	1.2
29...	0709	40.0	50300	7.6	28.5	.7

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL												
28...	1515	--	100	>2000	.020	<.10	.200	.30	.50	.060	.040	4.3
29...	0700	2.7	--	>2000	.030	<.10	.270	.63	.90	.180	.080	5.1

MUDDY BAYOU STUDY NEAR ALCORN, MS

315217091082135 - ALCORN LAKE AT ALCORN, MS 072907568

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
APR						
30...	1236	1.00	180	6.5	21.5	3.5
30...	1237	5.00	184	6.3	18.0	.5
30...	1238	10.0	260	6.5	15.0	.0
30...	1239	15.0	290	6.7	11.5	.0
30...	1240	20.0	404	6.9	10.5	.0
MAY						
26...	0950	1.00	195	6.4	25.5	1.4
26...	0951	5.00	202	6.2	24.0	.0
26...	0952	10.0	239	6.6	16.5	.0
26...	0953	15.0	272	6.9	12.5	.0
26...	0954	20.0	390	7.1	11.5	.0

DATE	TIME	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
APR									
30...	1235	41	K14	110	93	.00	21	9.9	6.8

DATE	PERCENT SODIUM	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
APR									
30...	13	3.9	99	5.0	6.5	133	.18	19	<1

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS TOTAL (UG/L)
APR									
30...	1700	8	2400	.1	1	6	20	7.6	10

315213091082335 - ALCORN LAKE AT SPILLWAY AT ALCORN, MS 072907569

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
APR							
29...	1330	180	6.5	22.0	3.7	--	--
30...	1300	184	6.5	23.0	3.5	K8	170
MAY							
26...	1010	--	--	--	--	K6	330

MUDDY BAYOU STUDY NEAR ALCORN, MS--Continued

315212091082580 - LANDFILL SEEPAGE BL ALCORN LAKE

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLE SOURCE	SAMPLING CONDITION	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARBONATE (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
APR 29...	1215	1006	30.00	1590	6.3	17.5	49	698	.00	156

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	ARSENIC TOTAL (UG/L AS AS)
APR 29...	75	71	18	1.2	730	47	74	910	7

DATE	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS TOTAL (UG/L)
APR 29...	1	1800	18	1700	2.4	16	20	3.3	<1

315212091082680 - K044 ALCORN LANDFILL WELL

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLE SOURCE	SAMPLING CONDITION	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARBONATE (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
APR 29...	1050	1003	15.00	1020	6.5	20.0	33	477	.00	102
MAY 26...	1115	1003	15.00	917	6.8	20.5	<10	448	96	97

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
APR 29...	54	21	9	2.0	480	8.2	17	536	10	1
MAY 26...	50	22	0	1.9	--	6.0	20	506	6	2

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS TOTAL (UG/L)
APR 29...	1400	110	750	.2	--	15	50	5.8	<1
MAY 26...	1300	190	1200	.4	10	7	190	2.9	<1

ADAMS COUNTY

313330091223702. Local number, C2.
LOCATION.--Lat 31°33'30", long 91°22'37", Hydrologic Unit 08060204, Irregular sec.16, T.7 N., R.3 W., at city water treatment plant on Brenham Avenue.
Owner: City of Natchez.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 607 ft (158.0 m).
DATUM.--Land-surface datum is 237.73 ft (72.460 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.609 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1940, September 1955, June 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 188.23 ft (57.373 m) below land-surface datum, Aug. 5, 1940; lowest measured, 244.86 ft (74.633 m) below land-surface datum, Sept. 8, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 24	239.77	AUG 4	237.20	SEP 8	244.86

313605091202201 (formerly 313554091201201. Local number, D1.
LOCATION.--Lat 31°36'05", long 91°20'22", Hydrologic Unit 08060204, sec.12, T.7 N., R.2 W., 5 mi (8 km) northeast of center of Natchez at power plant.
Owner: Mississippi Power and Light Co.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 456 ft (139.0 m).
DATUM.--Land-surface datum is 192 ft (58.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.50 ft (0.457 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.30 ft (24.475 m) below land-surface datum, Oct. 8, 1981; lowest measured, 102.97 ft (31.385 m) below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	80.30	JAN 20	89.40	MAR 31	94.50	JUN 23	87.54	SEP 16	86.61
DEC 4	87.45	FEB 21	87.58	MAY 12	89.00	AUG 4	87.14		

313256091214201. Local number, D10.
LOCATION.--Lat 31°32'56", long 91°21'42", Hydrologic Unit 08060204, NW¼NW¼ Lot 87, T.7 N., R.2 W., 2 mi (3 km) east of center of Natchez on Liberty Road.
Owner: Johns Manville Co.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 436 ft (132.9 m), cased to 392 ft (119.5 m).
DATUM.--Land-surface datum is 116.92 ft (35.637 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.62 ft (17.867 m) below land-surface datum, Mar. 31, 1962; lowest measured, 80.18 ft (24.438 m) below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			78.90	---	---			---	---	69.56	69.95	---
10			---	---	---			---	---	---	69.05	---
15			---	---	---			69.93	---	---	69.16	---
20			---	70.32	73.10			---	---	---	69.14	69.25
25			---	---	---			---	69.72	---	---	69.26
EOM			---	---	---			---	69.51	---	---	69.36

312730091200602. Local number, G7.
LOCATION.--Lat 31°27'30", long 91°20'06", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Road.
Owner: Adams County Water Association.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 267 ft (81.4 m), cased to 217 ft (66.1 m).
DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 3.00 ft (0.914 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.03 ft (12.506 m) below land-surface datum, Mar. 30, 1979; lowest measured, 64.15 ft (19.553 m) below land-surface datum, Nov. 7, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
NOV 7	64.15

312752091202201. Local number, G21.

LOCATION.--Lat 31°27'52", long 91°20'22", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Road.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 880 ft (268.2 m), cased to 840 ft (256.0 m).

DATUM.--Land-surface datum is about 223 ft (68.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.00 ft (49.378 m) below land-surface datum, June 5, 1975; lowest measured, 171.97 ft (52.416 m) below land-surface datum, Apr. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
NOV 7	170.85

ALCORN COUNTY

345545088311002. Local number, G3.

LOCATION.--Lat 34°55'45", long 88°31'10", Hydrologic Unit 08010207, NW¼NW¼ sec.12, T.2 S., R.7 E., 0.5 mi (0.8 km) south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 245 ft (74.7 m).

DATUM.--Land-surface datum is 432 ft (131.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent on railroad side of pump base, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--September 1961, September 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft (1.707 m) below land-surface datum, Sept. 27, 1961; lowest measured, 12.00 ft (3.657 m) below land-surface datum, Oct. 8, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	12.00	APR 14	9.55

345456088313001. Local number, G57.

LOCATION.--Lat 34°54'56", long 88°31'30", Hydrologic Unit 08010207, NW¼NW¼ sec.13, T.2 S., R.7 E., 1 mi (2 km) south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 453 ft (138.1 m), cased to 410 ft (125 m).

DATUM.--Land-surface datum is 463 ft (141.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 100.9 ft (30.75 m) below land-surface datum, Oct. 17, 1962; lowest, 224.4 ft (68.39 m) below land-surface datum, Sept. 22, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	188.92	186.99	183.55	178.75	181.70	180.50	179.68	180.36	182.01	181.99	182.60	180.92
10	188.78	186.74	183.06	179.01	181.31	178.88	179.94	180.54	182.00	181.70	182.40	181.09
15	188.20	186.59	182.36	180.06	181.32	179.59	179.85	180.68	181.87	181.43	181.87	180.75
20	187.61	185.62	182.03	182.60	181.33	179.28	180.03	180.83	183.15	181.36	181.34	180.43
25	187.37	185.16	181.71	183.04	181.12	179.33	180.03	181.50	184.37	180.92	181.31	179.89
EOM	187.19	184.29	180.44	182.11	180.86	179.83	179.96	181.95	183.91	181.60	181.14	179.24

345604088321902. Local number, G101.
LOCATION.--Lat 34°56'04", long 88°32'19", Hydrologic Unit 08010207, SW¼SW¼ sec.2, T.2 S., R.7 E., 2 mi (3.3 km) west of center of Corinth, 0.2 mi (0.3 km) north of Ramada Inn.
Owner: City of Corinth.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 520 ft (158.5 m), cased to 460 ft (140.2 m).
DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well head, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--February 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153.00 ft (46.634 m) below land-surface datum, Mar. 14, 1974; lowest measured, 199.00 ft (60.655 m) below land-surface datum, Feb. 11, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 14	161.20

344642088340501. Local number, K11.
LOCATION.--Lat 34°46'42", long 88°34'05", Hydrologic Unit 08010207, NW¼NE¼ sec.33, T.3 S., R.7 E., 3 mi (5 km) northwest of center of Rienzi, 0.5 mi (0.8 km) west of U.S. Highway 45.
Owner: C. B. Curlee.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 574 ft (175.0 m), cased to 478 ft (146.7 m).
DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.457 m) above land-surface datum.
PERIOD OF RECORD.--September 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.00 ft (27.127 m) below land-surface datum, Dec. 17, 1961; lowest measured, 121.58 ft (37.056 m) below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	121.58	APR 14	119.97

344642088333001. Local number, K53.
LOCATION.--Lat 34°46'42", long 88°33'30", Hydrologic Unit 08010207, SW¼NW¼ sec.34, T.3 S., R.7 W., 2.5 mi (4.0 km) northwest of center of Rienzi on U.S. Highway 45 at roadside park.
Owner: Mississippi State Highway Department.
AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 210 ft (64.0 m), cased to 190 ft (57.9 m).
DATUM.--Land-surface datum is about 450 ft (137.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--July 1973, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.37 ft (12.000 m) below land-surface datum, July 19, 1973; lowest measured, 44.40 ft (13.533 m) below land-surface datum, Oct. 8, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	44.40	APR 14	42.74

ATTALA COUNTY

330713089365402. Local number, G13.
LOCATION.--Lat 33°07'13", long 89°36'53", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 E., 4.5 mi (7.2 km) northwest of center of Kosciusko on State Highway 35.
Owner: Fred Turnipseed.
AQUIFER.--Winona Sand of middle Eocene age.
WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (762 mm), depth 22 ft (6.71 m).
DATUM.--Land-surface datum is about 361 ft (110.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in concrete cap, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--January 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.94 ft (2.724 m) below land-surface datum, Mar. 31, 1976; lowest measured, 15.22 ft (4.639 m) below land-surface datum, Jan. 11, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 13	11.40

ATTALA COUNTY--Continued

330110089455001. Local number, K22.

LOCATION.--Lat 33°01'10", long 89°45'50", Hydrologic Unit 08060201, SW¼SW¼ sec.35, T.14 N., R.5 E., at center of Sallis.
Owner: Town of Sallis.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth reported 356 ft (108.5 m), cased to about 300 ft (91.4 m).

DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) pipe (since May 22, 1957), 1.30 ft (0.396 m) above land-surface datum.

PERIOD OF RECORD.--1913, June 1957 to April 1963, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft (9.1 m) above land-surface datum, 1913; lowest measured, 1.00 ft (0.304 m) above land-surface datum, Dec. 20, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	1.4

330328089365901. Local number, M8.

LOCATION.--Lat 33°03'28", long 89°36'59", Hydrologic Unit 03180001, NE¼ sec.20, T.14 N., R.7 E., 0.2 mi (0.3 km) northwest of center of Kosciusko on Adams Street.
Owner: Barnett Moving Company.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 456 ft (139.0 m).

DATUM.--Land-surface datum is about 423 ft (129.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.70 ft (0.518 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.10 ft (32.644 m) below land-surface datum, Mar. 13, 1962; lowest measured, 124.08 ft (37.819 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 16	118.90

330330089354401. Local number, M29.

LOCATION.--Lat 33°03'30", long 89°35'44", Hydrologic Unit 03180001, SW¼NW¼ sec.21, T.14 N., R.7 E., 0.1 mi (0.2 km) west of center of Kosciusko on Jefferson Street.
Owner: City of Kosciusko.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 387 ft (118.0 m), cased to 367 ft (111.9 m).

DATUM.--Land-surface datum is about 472 ft (143.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.70 ft (45.323 m) below land-surface datum, Mar. 13, 1962; lowest measured, 165.73 ft (50.514 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 16	162.58

330241089270501. Local number, N13.

LOCATION.--Lat 33°02'41", long 89°27'05", Hydrologic Unit 03180001, SE¼NW¼ sec.26, T.14 N., R.8 E., 8 mi (13 km) east of center of Kosciusko on north side of State Highway 14.
Owner: Houston Veasey.

AQUIFER.--Neshoba Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (762 mm), depth 30 ft (9.1 m).

DATUM.--Land-surface datum is about 510 ft (155.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Inside lip of curb, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--March 1958 to March 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.86 ft (6.358 m) below land-surface datum, Mar. 12, 1959; lowest measured, 23.50 ft (7.162 m) below land-surface datum, Dec. 11, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 16	23.01

ATTALA COUNTY--Continued

325844089462701. Local number, Q14.
LOCATION.--Lat 32°58'44", long 89°46'27", Hydrologic Unit 08060201, NE¼SW¼ sec.15, T.13 N., R.5 E., 3.1 mi (5.0 km) south of center of Sallis on west side of State Highway 429.
Owner: Tom Aldy.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 2 in (51 mm), depth 409 ft (124.7 m).
DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (51 mm) casing, 1.80 ft (0.548 m) above land-surface datum.
PERIOD OF RECORD.--June 1957 to July 1959, June 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.37 ft (0.112 m) below land-surface datum, Mar. 13, 1958; lowest measured, 4.86 ft (1.481 m) below land-surface datum, Apr. 9, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	4.86

325902089333901. Local number, S21.
LOCATION.--Lat 32°59'02", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.15, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.
Owner: United Gas Co.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 360 ft (109.7 m), cased to 340 ft (103.6 m).
DATUM.--Land-surface datum is about 488 ft (148.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (203 mm) casing, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--October 1961, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157 ft (47.853 m) below land-surface datum, October 1961; lowest measured, 168.75 ft (51.435 m) below land-surface datum, Apr. 16, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 16	168.75

BOLIVAR COUNTY

335630090461501. Local number, D31.
LOCATION.--Lat 33°56'30", long 90°46'15", Hydrologic Unit 08030207, SW¼NE¼ sec.12, T.24 N., R.6 W., 0.1 mi (0.2 km) west of center of Shelby at old waterworks.
Owner: Town of Shelby.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,575 ft (480.1 m).
DATUM.--Land-surface datum is 147 ft (44.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 1.30 ft (0.396 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft (0.121 m) above land-surface datum, May 11, 1977; lowest measured, 21.77 ft (6.635 m) below land-surface datum, Sept. 14, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 to SEPTEMBER 1982

DATE	WATER LEVEL
APR 13	21.44

335558090465202. Local number, D32.
LOCATION.--Lat 33°55'58", long 90°46'52", Hydrologic Unit 08030207, SE¼NE¼ sec.14, T.24 N., R.6 W., 1.5 mi (2.4 km) southwest of center of Shelby on State Highway 32 at park.
Owner: Town of Shelby.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 409 ft (124.7 m).
DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (102 mm) casing plug, 0.30 ft (0.091 m) above land-surface datum.
PERIOD OF RECORD.--September 1949, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.18 ft (7.370 m) below land-surface datum, Feb. 11, 1976; lowest measured, 49.70 ft (15.148 m) below land-surface datum, Apr. 13, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 13	49.70

BOLIVAR COUNTY--Continued

334957090564301. Local number, F20.

LOCATION.--Lat 33°49'57", long 90°56'43", Hydrologic Unit 08030207, NE¼NW¼ sec.20, T.23 N., R.7 W., 5 mi (8 km) southeast of center of Rosedale on south side of State Highway 8.
Owner: R. C. Malone.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in (406 mm), depth 120 ft (36.6 m), screened 80-120 ft (24.4-36.6 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 145 ft (44.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.15 ft (0.045 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

PERIOD OF RECORD.--November 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.99 ft (4.569 m) below land-surface datum, Apr. 7, 1959; lowest measured, 57.32 ft (17.471 m) below land-surface datum, Sept. 7, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 13	26.10	SEP 16	28.19

334700090584501. Local number, J8.

LOCATION.--Lat 33°47'00", long 90°58'45", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., near center of Beulah.
Owner: Town of Beulah.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well diameter 8 in (203 mm), depth 754 ft (29.8 m).

DATUM.--Land-surface datum is about 145 ft (44.2 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base 2.50 ft (0.762 m) above land-surface datum.

PERIOD OF RECORD.--October 1968, March 1971, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27 ft (8.2 m) below land-surface datum, Oct. 1, 1968; lowest measured, 35.48 ft (10.814 m) below land-surface datum, Sept. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
JUL 22	34.90

334106090590902. Local number, N2.

LOCATION.--Lat 33°41'06", long 90°59'09", Hydrologic Unit 08030207, SE¼NW¼ sec.34, T.21 N., R.8 W., 2.5 mi (4.0 km) northeast of center of Benoit on east side of State Highway 1.
Owner: Welshans and Litton.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in (356 mm), depth 96 ft (29.3 m).

DATUM.--Land-surface datum is about 135 ft (41.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft (0.213 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

PERIOD OF RECORD.--November 1953 to October 1963, January 1965 to October 1966, April 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.53 ft (1.075 m) below land-surface datum, May 13, 1958; lowest measured, 27.22 ft (8.296 m) below land-surface datum, Sept. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 14	22.74	SEP 17	24.35

333959090435001. Local number, Q150.

LOCATION.--Lat 33°39'59", long 90°43'50", Hydrologic Unit 08030207, NE¼SE¼ sec.17, T.21 N., R.5 W., at O'Reilly at gin.
Owner: Jones Bayou Gin Association.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (76-51 mm), depth 1,310 ft (399.2 m), cased to 1,310 ft (399.2 m).

DATUM.--Land-surface datum is 133.66 ft (40.739 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in pipe (19 mm), 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--May 1939 to October 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.10 ft (6.126 m) above land-surface datum, May 30, 1939; lowest measured, 14.12 ft (4.303 m) below land-surface datum, Sept. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 14	13.42

BOLIVAR COUNTY--Continued

333530090582401. Local number, R64.
LOCATION.--Lat 31°35'30", long 90°58'24", Hydrologic Unit 08030209, SE¼SE¼ sec.12, T.20 N., R.8 W., at Stringtown. Owner: H and H Planting Co.
AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 520 ft (158.5 m).
DATUM.--Land-surface datum is 133 ft (40.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.8 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--May 1939, November 1960, October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft (5.73 m) below land-surface datum, May 5, 1939; lowest measured, 38.84 ft (11.838 m) below land-surface datum, Apr. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	38.84

CALHOUN COUNTY

335118089175901. Local number, K101.
LOCATION.--Lat 33°51'18", long 89°17'59", Hydrologic Unit 08030205, NE¼SW¼ sec.13, T.23 N., R.9 E., 0.3 mi (0.5 km) northeast of center of Calhoun City at Adams Street and Taylor Street. Owner: Town of Calhoun City.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (305 mm), depth 1,897 ft (578.2 m), cased to 1,857 ft (566.0 m).
DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in north side of pump base, 1.30 ft (0.396 m) above land-surface datum.
REMARKS.--Water levels affected by pumping.
PERIOD OF RECORD.--February 1955 to April 1967, June 1969, June 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.75 ft (13.030 m) below land-surface datum, Mar. 14, 1957; lowest measured, 80.00 ft (24.384 m) below land-surface datum, Apr. 8, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 8	80.00

CARROLL COUNTY

333116089550401. Local number, F1.
LOCATION.--Lat 33°31'16", Long 89°55'04", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrolton at old water plant. Owner: Town of North Carrollton.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,274 ft (388.3 m).
DATUM.--Land-surface datum is about 230 ft (70.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Faucet below pump base, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--March 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.00 ft (6.400 m) above land-surface datum, Mar. 21, 1979; lowest measured, 6.00 ft (1.828 m) above land-surface datum, Oct. 10, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	17.0

333057089552002. Local number, F19.
LOCATION.--Lat 33°30'57", long 89°55'20", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrollton at old water plant. Owner: Town of North Carrollton.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 440 ft (134.1 m).
DATUM.--Land-surface datum is about 225 ft (68.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in side of pump base, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--May 1961, May 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.00 ft (0.609 m) below land-surface datum, May 1, 1961; lowest measured, 13.04 ft (3.974 m) below land-surface datum, Oct. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	8.81

CHICKASAW COUNTY

340030088444801. Local number D6.
LOCATION.--Lat 34°00'30", long 88°44'48", Hydrologic Unit 03160101, NW¼SE¼ sec.26, T.12 S., R.5 E., at Okolona at old water plant.
Owner: Town of Okolona.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well 10 in (254 mm), depth reported 400 ft (121.9 m).
DATUM.--Land-surface datum is about 307 ft (93.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete well base, 2.50 ft (0.762 m) above land-surface datum.
PERIOD OF RECORD.--1917, October 1956, December 1958, October 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (26.517 m) below land-surface datum, 1917; lowest measured, 156.98 ft (47.847 m) below land-surface datum, Feb. 6, 1981.

WATER LEVEL, IN FEET, BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 7	151.69

335400088595001. Local number, F16.
LOCATION.--Lat 33°54'00", long 88°59'50", Hydrologic Unit 03160104, SW¼SW¼ sec.33, T.13 S., R.3 E., near center of Houston at old water plant.
Owner: Town of Houston.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 1,076 ft (328.0 m).
DATUM.--Land-surface datum is about 340 ft (103.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.20 ft (0.365 m) above land-surface datum.
PERIOD OF RECORD.--1931, July 1940, November 1970, 1971, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80 ft (24.4 m) below land-surface datum, 1940; lowest measured 165.86 ft (50.554 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 8	124.64

335400088594601. Local number, F18.
LOCATION.--Lat 33°54'00", long 88°59'46", Hydrologic Unit 03160104, SW¼SW¼, sec.33, T.13 S., R.3 E., near center of Houston at old water plant.
Owner: Town of Houston.
AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 130 ft (39.6 m).
DATUM.--Land-surface datum is about 340 ft (103.6 m) National Geodetic Vertical Datum of 1929. Measuring points: plug in pump base 1.50 ft (0.457 m) above land-surface datum.
PERIOD OF RECORD.--1970, May 1972, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft (18.358 m) below land-surface datum, Mar. 21, 1979; lowest measured, 64 ft (19.5 m) below land-surface datum May 24, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 8	60.06

335136089005301. Local number, K37.
LOCATION.--Lat 33°51'36", long 89°00'53", Hydrologic Unit 03180001, SW¼SW¼ sec.17, T.14 S., R.3 E., 2.5 mi (4.0 km) south of center of Houston on west side of State Highway 15.
Owner: J. D. McAlpin.
AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 130 ft (39.6 m), cased to 80 ft (24.4 m).
DATUM.--Land-surface datum is about 320 ft (97.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--October 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.40 ft (18.105 m) below land-surface datum, Mar. 20, 1962; lowest measured, 67.10 ft (20.452 m) below land-surface datum, Oct. 28, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
NOV 30	66.05

CHOCTAW COUNTY

331849089105101. Local number, H1.
LOCATION.--Lat 33°18'49", long 89°10'51", Hydrologic Unit 03180001, NE¼NE¼ sec.30, T.17 N., R.11 E., 0.2 mi (0.3 km) west of center of Ackerman.
Owner: Town of Ackerman
AQUIFER.--Sand of Wilcox Formation of early Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 100 ft (30.4 m), cased to 76 ft (23.1 m).
DATUM.--Land-surface datum is about 518 ft (157.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.457 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--January 1957, October 1969, February 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13 ft (4.0 m) below land-surface datum, 1957; lowest measured, 28.72 ft (8.754 m) below land-surface datum, Dec. 23, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	28.31	28.19	27.73	28.04	28.33	27.55	---	25.78	---	25.36	---	25.99
10	28.35	28.15	27.97	28.31	28.25	27.20	---	25.89	---	19.07	---	26.85
15	28.40	28.36	28.18	28.29	28.03	27.07	---	25.79	25.61	19.59	---	26.79
20	28.03	28.36	28.36	28.24	27.77	27.10	---	25.43	25.85	26.40	---	26.42
25	28.48	28.14	28.61	28.35	27.91	20.75	26.38	---	25.43	26.27	---	26.90
EOM	28.29	27.81	28.51	28.37	27.54	---	26.73	---	25.87	---	26.61	26.72

331543089171801. Local number, J35.
LOCATION.--Lat 33°15'43", long 89°17'18", Hydrologic Unit 03180001, NW¼SE¼ sec.8, T.16 N., R.10 E., 0.3 mi (0.5 km) south of center of Weir near Baptist Church.
Owner: Inez Power.
AQUIFER.--Sand of upper part of Wilcox Group of early Eocene age.
WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (762 mm), depth 28 ft (8.5 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 30-in (76 mm) concrete curb, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.86 ft (4.834 m) below land-surface datum, May 7, 1980; lowest measured, 22.97 ft (7.001 m) below land-surface datum, Dec. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	22.70	JAN 29	22.00	APR 23	20.10	AUG 27	21.36
DEC 18	22.97	MAR 12	20.73	JUN 11	20.39		

CLAIBORNE COUNTY

315718090591501. Local number, L5.
LOCATION.--Lat 31°57'18", long 90°59'15", Hydrologic Unit 08060203, Irregular Lot 4, T.11 N., R.2 E., 0.2 mi (0.3 km) south of center of Port Gibson at Oak Street and Main Street.
Owner: Town of Port Gibson.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth reported 250 ft (76.2 m).
DATUM.--Land-surface datum is about 120 ft (36.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 2.00 ft (0.609 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.87 ft (23.430 m) below land-surface datum, Apr. 22, 1963; lowest measured, 125.52 ft (38.258 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 5	125.35

CLAY COUNTY

333620088392503. Local number, H4.
LOCATION.--Lat 33°36'20", long 88°39'00", Hydrologic Unit 03160104, NW¼NE¼ sec.15, T.17 S., R.6 E., 0.2 mi (0.3 km) southwest of center of West Point.
Owner: City of West Point.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20 in (508 mm), depth 386 ft (117.7 m).
DATUM.--Land-surface datum is about 215 ft (65.5 m) National Geodetic Vertical Datum Of 1929. Measuring point: Top of air vent in pump base, 3.00 ft (0.914 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--December 1953, February 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99 ft (30.2 m) below land-surface datum, December 1953; lowest measured, 187.10 ft (57.028 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	180.90	JAN 28	183.69	APR 22	182.30	AUG 26	187.10
DEC 16	180.80	MAR 11	183.40	JUN 16	182.20		

333712088384601. Local number, H46.
LOCATION.--Lat 33°37'12", long 88°38'46", Hydrologic Unit 03160104, NE¼NW¼ sec.11, T.17 S., R.6 E., 1 mi (2 km) northeast of center of West Point on east side of Illinois Central Railroad.
Owner: City of West Point.
AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 810 ft (246.9 m), cased to 750 ft (228.6 m).
DATUM.--Land-surface datum is about 240 ft (73.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.10 ft (0.640 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--July 1963, May 1969, January 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft (8.519 m) below land-surface datum, July 16, 1963; lowest measured, 86.69 ft (26.423 m) below land-surface datum, Dec. 2, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	71.48	71.35	70.38	69.90	70.90	70.96	69.45	70.42	70.84	70.62	71.79	71.11
10	71.38	70.00	71.08	70.21	70.61	70.53	69.42	70.52	71.24	70.85	71.48	72.00
15	72.19	70.18	70.74	70.55	70.50	69.68	70.30	70.52	70.66	71.37	---	72.45
20	72.32	71.18	67.38	70.75	70.11	70.09	70.40	70.92	70.67	70.98	---	71.87
25	70.37	70.82	67.62	70.05	70.36	70.26	69.46	70.75	71.36	71.17	---	72.12
EOM	71.96	70.61	70.36	70.30	69.69	70.52	70.37	70.42	71.03	71.75	71.97	72.40

333530088393501. Local number, H151.
LOCATION.--Lat 33°35'30", long 88°39'35", Hydrologic Unit 03160104, NE¼NW¼ sec.22, T.17 S., R.6 E., 4.5 mi (7.3 km) north of West Point on west side of U.S. Highway 45.
Owner: Prairie Livestock.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 400 ft (121.9 m).
DATUM.--Land-surface datum is about 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent, at land-surface datum.
PERIOD OF RECORD.--September 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.82 ft (49.017 m) below land-surface datum, Apr. 5, 1978; lowest measured, 190.20 ft (57.973 m) below land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	162.32

COAHOMA COUNTY

342400090322001. Local number, C111.
LOCATION.--Lat 34°24'00", long 90°32'20", Hydrologic Unit 08030204, NW¼SW¼ sec.7, T.29 N., R.2 W., 1 mi (2 km) south of center of Rich at Rose Acres Plantation headquarters.
Owner: Norfleet and Wilsford.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3-2 in (76-51 mm), depth 1,837 ft (559.9 m), screened 1,796-1,837 ft (547.4-559.9 m).
DATUM.--Land-surface datum is 180.88 ft (55.132 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (76 mm) tee, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--March 1940 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.8 ft (12.43 m) above land-surface datum, July 26, 1940; lowest measured, 6.65 ft (2.027 m) below land-surface datum, Apr. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 22	6.65

341720090304301. Local number, F12.
LOCATION.--Lat 34°17'19", long 90°30'43", Hydrologic Unit 08030207, NE¼NW¼ sec.21, T.28 N., R.3 W., 8 mi (13 km) northeast of center of Clarksdale at airport on U.S. Highway 61.
Owner: City of Clarksdale.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth reported 900 ft (274.3 m).
DATUM.--Land-surface datum is about 168 ft (51.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft (1.773 m) below land-surface datum, Apr. 14, 1971; lowest measured, 12.72 ft (3.877 m) below land-surface datum, Apr. 21, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	12.72

341311090371801. Local number, J5.
LOCATION.--Lat 34°13'11", long 90°37'18", Hydrologic Unit 08030207, SW¼NE¼SW¼ sec.9, T.27 N., R.4 W., 3.2 mi (5.1 km) northwest of Clarksdale.
Owner: E.L. Anderson.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth 118 ft (36.0 m).
DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.40 ft (1.036 m) above land-surface datum.
PERIOD OF RECORD.--April 1955, September 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23 ft (7.0 m) below land-surface datum, April 1955; lowest measured, 28.45 ft (8.672 m) below land-surface datum, July 27, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.86	27.75	27.70	27.71	27.44		---	27.20	27.77	28.13		
10	27.84	27.75	27.69	27.67	27.41		---	27.32	27.87	28.20		
15	27.84	27.72	27.68	27.45	27.46		---	27.45	27.91	28.28		
20	27.79	27.74	27.68	27.43	27.37		27.19	27.48	27.95	28.35		
25	27.76	27.71	27.63	27.42	27.33		27.18	27.54	28.01	28.42		
EOM	27.76	27.63	27.65	27.45	---		27.20	27.64	28.07	---		

341202090343701. Local number, J98.
LOCATION.--Lat 34°12'02", long 90°34'37", Hydrologic Unit 08030207, SW¼NE¼ sec.23, T.27 N., R.4 W., 0.2 mi (0.3 km) west of center of Clarksdale at Second Street and Riverside Avenue.
Owner: City of Clarksdale.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 1,200 ft (365.8 m).
DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (51 mm) pipe, 0.30 ft (0.091 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft (0.304 m) below land-surface datum, Apr. 2, 1976; lowest measured, 9.40 ft (2.865 m) below land-surface datum, Sep. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	8.80

COAHOMA COUNTY--Continued

341230090323101. Local number, K22.

LOCATION.--Lat 34°12'30", long 90°32'31", Hydrologic Unit 08030207, SW¼NE¼ sec.18, T.27 N., R.4 W., near center of Lyon.
Owner: Town of Lyon.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,242 ft (378.6 m).

DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.457 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1961, August 1973, July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 30 ft (9.1 m) above land-surface datum, Oct. 30, 1961; lowest measured, 25.91 ft (7.897 m) below land-surface datum, Apr. 21, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	25.91

COPIAH COUNTY

315314090233701. Local number, J33.

LOCATION.--Lat 31°53'14", long 90°23'37", Hydrologic Unit 03180003, NE¼NW¼ sec.34, T.1 N., R.2 W., 2 mi (3 km) north of center of Hazlehurst.
Owner: R. C. Owen Co.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diamter 6 in (152 mm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 430 ft (131.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.467 m) above land-surface datum, Sept. 4, 1977.

PERIOD OF RECORD.--September 1976 to April 1981 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.00 ft (28.346 m) below land-surface datum, September 1967; lowest measured, 101.14 ft (30.827 m) below land-surface datum, Nov. 8, 1978.

315130090233901. Local number, P8.

LOCATION.--Lat 31°51'30", long 90°23'39", Hydrologic Unit 03180003, SW¼ sec.10, T.10 N., R.8 E., at water plant near center of Hazlehurst.
Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).

DATUM.--Land-surface datum is about 442.7 ft (134.94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 10 in (254 mm) casing at land-surface datum.

PERIOD OF RECORD.--1954, 1957, August 1971, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 172.71 ft (52.642 m) below land-surface datum, Oct. 11, 1978; lowest measured, 196 ft (59.7 m) below land-surface datum, 1954.

WATER LEVEL BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 6	175.10

315128090205202. Local number, P49.

LOCATION.--Lat 31°51'28", long 90°20'52", Hydrologic Unit 031800003, NE¼NE¼ sec.12, T.10 N., R.8 E., 3 mi (5 km) east of center of Hazlehurst at Shady Grove Community.
Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 295 ft (89.9 m), cased to 225 ft (68.6 m).

DATUM.--Land-surface datum is about 435 ft (132.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.60 ft (0.487 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1967, August 1971, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft (33.5 m) below land-surface datum, 1967; lowest measured, 143.60 ft (43.769 m) below land-surface datum, Apr. 1, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 6	142.29

GROUND-WATER LEVELS

COVINGTON COUNTY

314447089302201.--Local number, C28.
LOCATION.--Lat 31°44'47", long 89°30'22", Hydrologic Unit 03170004, NW¼SW¼ sec.15, T.9 N., R.15 W., 10 mi (16 km) southeast of Mt. Olive on State Highway 532.
Owner: Mississippi Forestry Commission.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 250 ft (76.2 m).
DATUM.--Land-surface datum is about 400 ft (121.9 m) National Vertical Datum of 1929. Measuring point: Top of concrete slab, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--August 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.83 ft (36.524 m) below land-surface datum, Mar. 31, 1981; lowest measured, 123.80 ft (37.734 m) below land-surface datum, Jan. 17, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	122.12	DEC 9	121.74

DE SOTO COUNTY

345726089492901. Local number, D2.
LOCATION.--Lat 34°57'26" long 89°49'29", Hydrologic Unit 08030204, SE¼NW¼ sec.34, T.1 S., R.6 W., 0.35 mi (0.56 km) east of center of Olive Branch.
Owner: Town of Olive Branch.
AQUIFER.--Sparta Sand of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (254 mm), depth 266 ft (81.1 m).
DATUM.--Land-surface datum is about 400 ft (121.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in pump base, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--1956, January 1973, April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.40 ft (40.660 m) below land-surface datum, 1956; lowest water level measured 146.77 ft (44.735 m) below land-surface datum, May 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAY 11	146.77

FORREST COUNTY

312115089193601. Local number, B6.
LOCATION.--Lat 31°21'15", long 89°19'36", Hydrologic Unit 03170004, SE¼NW¼ sec.32, T.5 N., R.13 W., 2.8 mi (4.5 km) northwest of center of Hattiesburg on Lakeview Road.
Owner: City of Hattiesburg.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 444 ft (135.3 m).
DATUM.--Land-surface datum is 167.27 ft (50.983) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.50 ft (1.371 m) above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--September 1955, May 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9 ft (2.7 m) below land-surface datum, Sept. 1, 1955; lowest measured 37.42 ft (11.406 m) Oct. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---			---	---	33.85	32.70	32.39	33.83	---	35.38	35.25
10	---			---	---	32.45	32.71	30.72	---	33.70	35.60	36.18
15	35.94			---	---	32.81	31.46	32.20	---	34.99	35.29	33.38
20	37.20			---	---	31.36	33.58	34.08	---	35.17	36.26	34.23
25	---			34.37	32.91	32.74	30.87	32.06	---	32.64	35.14	35.35
EOM	---			---	33.23	33.25	33.37	31.65	---	32.30	36.07	36.77

FORREST COUNTY--Continued

311834089170101. Local number, D8.
LOCATION.--Lat 31°18'34", long 89°17'01", Hydrologic Unit 03170005, SE¼NE¼ sec.15, T.4 N., R.13 W., 2 mi (3 km) southeast of center of Hattiesburg at Williams Street and Alcorn Street.
Owner: City of Hattiesburg.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 710 ft (216.4 m), screened 610-710 ft (185.9-216.4 m).
DATUM.--Land-surface datum is about 140 ft (42.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.75 ft (0.533 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--December 1964, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.07 ft (6.422 m) below land-surface datum, Dec. 21, 1964; lowest measured, 97.88 ft (29.833 m) below land-surface datum, May 14, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 29	63.75	JUL 8	93.96	SEP 1	82.63

311137089110501. Local number, G116.
LOCATION.--Lat 31°11'37", long 89°11'05", Hydrologic Unit 03170007, SW¼NE¼ sec.27, T.3 N., R.12 W., 3 mi (5 km) east of south gage of Camp Shelby at Jackson Avenue and 39th Street.
Owner: U.S. Government-Mississippi National Guard. Camp Shelby.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-3 in (102-76 mm), depth 416 ft (126.8 m), screened 382-416 ft (116.4-127.8 m).
DATUM.--Land-surface datum is 258.44 ft (78.772 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (102 mm) casing flange, 2.00 ft (0.609 m) above land-surface datum.
REMARKS.--Occasional pumping nearby.
PERIOD OF RECORD.--1943-45, February 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.08 ft (37.210 m) below land-surface datum, Apr. 2, 1954; lowest measured, 143.88 ft (43.855 m) below land-surface datum, Oct. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 15	143.88

310130089094301 (formerly 310130089093101). Local number, L23.
LOCATION.--Lat 31°01'30", long 89°09'43", Hydrologic Unit 03170007, NW¼NW¼ sec.25, T.1 N., R.12 W., 3 mi (5 km) southeast of center of Brooklyn at Ashe Nursery.
Owner: Ashe Nursery.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 728 ft (221.9 m).
DATUM.--Land-surface datum is about 285 ft (86.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.50 ft (50.749 m) below land-surface datum, Aug. 5, 1971, lowest measured, 178.52 ft (54.413 m) below land-surface datum, Oct. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 15	178.52

FRANKLIN COUNTY

313026091035101. Local number, F1.
LOCATION.--Lat 31°30'26", long 91°03'51", Hydrologic Unit 08060205, NW¼NE¼ sec.19, T.6 N., R.1 E., 0.1 mi (0.2 km) northeast of center of Roxie at 3rd Street and East Boulevard.
Owner: Town of Roxie.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 250 ft (76.2 m), cased to 230 ft (70.1 m).
DATUM.--Land-surface datum is about 230 ft (70.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.90 ft (0.579 m) above land-surface datum.
PERIOD OF RECORD.--May 1960 to April 1972, May 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.89 ft (6.062 m) below land-surface datum, Mar. 22, 1976; lowest measured, 28.78 ft (8.772 m) below land-surface datum, May 9, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
NOV 5	20.67

GREENE COUNTY

313530088310501 (Formerly 311435088312201). Local number, M2.
LOCATION.--Lat 31°35'30", long 88°31'05", Hydrologic Unit 03170003, NE¼NW¼ sec.7, T.3 N., R.5 W., 8 mi (13 km) northeast of center of Leakesville.
Owner: H. F. Garreston, Jr.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 703 ft (214.3 m).
DATUM.--Land-surface datum is about 107 ft (32.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--January 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.0 ft (6.70 m) above land-surface datum, Jan. 22, 1970; Apr. 24, 1974; lowest measured, 15.0 ft (4.57 m) above land-surface datum, Apr. 21, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
DEC 16	17.2

GRENADA COUNTY

335032089473101. Local number B102.
LOCATION.--Lat 33°50'32", long 89°47'31", Hydrologic Unit 08030205, SE¼SE¼ sec.20, T.23N., R.5 E., 4 mi (6 km) north of center of Grenada at Grenada Airport.
Owner: City of Grenada.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 195 ft (59.4 m).
DATUM.--Land-surface datum is 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in pump base, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--November 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.44 ft (1.048 m) below land-surface datum, Nov. 1, 1979; lowest water level measured, 6.52 ft (1.987 m) below land-surface datum, Apr. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	4.53

334556089583501. Local number, F112.
LOCATION.--Lat 33°45'56", long 89°58'45", Hydrologic Unit 08030205, SE¼SE¼ sec.16, T.22 N., R.3 E., 0.2 mi (0.3 km) northwest of center of Holcomb at school.
Owner: Holcomb School.
AQUIFER.--Sand of Wilcox Group of late Paleocene.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 983 ft (299.6 m), screened 943-983 ft (287.4-299.6 m).
DATUM.--Land-surface datum is 183.14 ft (55.821 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (76 mm) tee, 1.40 ft (0.426 m) above land-surface datum, or top of discharge pipe, 1.20 ft (0.365 m) above land-surface datum.
PERIOD OF RECORD.--January 1939 to June 1969, May 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.4 ft (9.26 m) above land-surface datum, July 31, 1941; lowest measured, 6.0 ft (1.83 m) above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	11.20

334128089441701. Local number, H111.
LOCATION.--Lat 33°41'28", long 89°44'17", Hydrologic Unit 08030205, SE¼SE¼ sec.11, T.21 N., R.5 E., 1 mi (2 km) east of center of Elliot on west bank of Batupan Bogue.
Owner: E. T. Hill.
AQUIFER.--Sand of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 502 ft (153.0 m), screened 421-502 ft (128.3-153.0 m).
DATUM.--Land-surface datum is 208.69 ft (63.608 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 4.00 ft (1.219 m) above land-surface datum.
PERIOD OF RECORD.--1943, February 1954 to October 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.50 ft (4.724 m) above land-surface datum, Jan. 2, 1943; lowest measured, 2.09 ft (0.637 m) below land-surface datum, Apr. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	2.09

GRENADA COUNTY--Continued

334147089433801. Local number, H113.
LOCATION.--Lat 33°41'47", long 89°43'38", Hydrologic Unit 08030205, NE¼SW¼ sec.12, T.21 N., R.5 E., 1.5 mi (2.4 km) east of center of Elliot.
Owner: J. W. Willis, Sr.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-10 in (305-254 mm), depth 211 ft (64.3 m), screened 161-211 ft (49.1-64.3 m).
DATUM.--Land-surface datum is 216.70 ft (66.050 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 3.40 ft (1.036 m) above land-surface datum.
PERIOD OF RECORD.--1954 to October 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.96 ft (0.597 m) below land-surface datum, Mar. 21, 1979; lowest measured, 15.74 ft (4.797 m) below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	10.02

334148089425701. Local number, J2.
LOCATION.--Lat 33°41'48", long 89°42'57", Hydrologic Unit 08030205, NW¼SW¼ sec.7, T.21 N., R.6 E., 2.5 mi (4.0 km) east of center of Elliot.
Owner: J. W. Willis, Jr.
AQUIFER.--Sand of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 12 in (305 mm), depth 429 ft (130.8 m), cased to 390 ft (118.9 m).
DATUM.--Land-surface datum is 227.21 ft (69.253 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976, 1.50 ft (0.457 m) above land-surface datum.
PERIOD OF RECORD.--September 1942, October 1956 to October 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft (0.640 m) above land-surface datum, Sept. 19, 1942; lowest measured, 17.72ft (5.401 m) below land-surface datum, Apr. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	17.72

HANCOCK COUNTY

302158089372901. Local number, H3.
LOCATION.--Lat 30°21'58", long 89°37'29", Hydrologic Unit 03180004, SW¼NW¼ sec.8, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,524 ft (464.5 m), cased to 1,464 ft (446.2 m).
DATUM.--Land-surface datum is 28 ft (8.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 4.20 ft (1.280 m) above land-surface datum.
PERIOD OF RECORD.--January 1963, October 1965 to January 1968, April 1970, April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (26.5 m) above land-surface datum, January 1963; lowest measured, 54.0 ft (16.46 m) above land-surface datum, Oct. 21, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 12	54.0

302140089345901. Local number, H4.
LOCATION.--Lat 30°21'40", long 89°34'59", Hydrologic Unit 03180004, NE¼SE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (457 mm), depth 1,873 ft (570.9 m), cased to 1,803 ft (549.6 m).
DATUM.--Land-surface datum is 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet 1.90 ft (0.579 m) above land-surface datum.
PERIOD OF RECORD.--1963, August 1965 to January 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104 ft (31.7 m) above land-surface datum, 1963; lowest measured, 68.35 ft (20.833 m) above land-surface datum, Oct. 21, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 21	68.35

302227089373001. Local number, H5.
LOCATION.--Lat 30°22'27", long 89°37'30", Hydrologic Unit 03180004, NE¼SW¼ sec.5, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (304 mm), depth 1,481 ft (451.4 m), cased to 1,420 ft (432.8 m).
DATUM.--Land-surface datum 29 ft (8.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 6.20 ft (1.889 m) above land-surface datum.
PERIOD OF RECORD.--May 1964 to March 1968, Apr. 1 1970, April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.3 ft (24.78 m) above land-surface datum June 3, 1966; lowest measured, 50.0 ft (15.24 m) above land-surface datum Oct. 21, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 21	50.0

302140089351401. Local number, H6.
LOCATION.--Lat 30°21'40", long 89°35'14", Hydrologic Unit 03180004, NE¼SW¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (457 mm), depth 1,695 ft (516.6 m), cased to 1,585 ft (483.1 m).
DATUM.--Land-surface datum is 23 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 3.0 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--October 1965 to February 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.9 ft (28.93 m) above land-surface datum, Nov. 11, 1965; lowest measured, 59.0 ft (17.98 m) above land-surface datum, Oct. 21, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 21	59.0

302206089350601. Local number, H7.
LOCATION.--Lat 30°22'06", long 89°35'06", Hydrologic Unit 03180004, NW¼NE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (304 mm), depth 1,434 ft (437.1 m), cased to 1,371 ft (417.9 m).
DATUM.--Land-surface datum is 25 ft (7.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder 0.4 ft (0.12 m) below land-surface datum.
PERIOD OF RECORD.--1964, 1967, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.6 ft (27.31 m) above land-surface datum, Mar. 1, 1967; lowest measured, 54.85 ft (16.718 m) above land-surface datum, Oct. 21, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 21	54.85

302126089351401. Local number, H8.
LOCATION.--Lat 30°21'26", long 89°35'14", Hydrologic Unit 03180004, SW¼SE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene Age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in (610 mm), depth 672 ft (204.8 m), cased to 460 ft (140.2 m).
DATUM.--Land-surface datum is 19 ft (5.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 3.5 ft (1.10 m) above land-surface datum.
PERIOD OF RECORD.--April 1965 to January 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.9 ft (4.54 m) above land-surface datum, Apr. 19, 1965; lowest measured, 3.25 ft (0.991 m) above land-surface datum, Oct. 21, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 21	3.25

HANCOCK COUNTY--Continued

302118089351501. Local number, H11.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 676 ft (206.0 m), cased to 646 ft (196.9 m).
DATUM.--Land-surface datum is 21.4 ft (6.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) gate valve, 2.90 ft (0.883 m) above land-surface datum.
PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.5 ft (5.33 m) above land-surface datum, Apr. 20, 1972; lowest measured, 9.0 ft (2.74 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 22	9.20

302118089351502. Local number, H12.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 599 ft (182.6 m), cased to 569 ft (173.4 m).
DATUM.--Land-surface datum is 20.9 ft (6.40 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) gate valve, 2.90 ft (0.883 m) above land-surface datum.
PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.5 ft (4.42 m) above land-surface datum, Apr. 20, 1972; lowest measured, 5.5 ft (1.68 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 21	7.70

302118089351503. Local number, H13.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 491 ft (149.7 m), cased to 461 ft (140.5 m).
DATUM.--Land-surface datum is 21.2 ft (6.46 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) gate valve, 2.60 ft (0.792 m) above land-surface datum.
PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.5 ft (3.81 m) above land-surface datum, Apr. 20, 1972, lowest measured, 1.0 ft (0.30 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 21	3.95

302118089351504. Local number, H14.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NE¼ sec.15, T.8 S., R.6 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA)
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 144 ft (43.9 m), cased to 84 ft (25.6 m).
DATUM.--Land-surface datum is about 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.457 m) above land-surface datum.
PERIOD OF RECORD.--1968, January 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.6 ft (1.10 m) below land-surface datum, May 1, 1974; lowest measured, 8.3 ft (2.53 m) below land-surface datum, June 3, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 21	7.44

HANCOCK COUNTY--Continued

301858089202301. Local number, K1.
LOCATION.--Lat 30°18'58", long 89°20'23", Hydrologic Unit 03170009, NW¼SW¼ sec.3, T.8 S., R.13 W., 0.5 mi (0.8 km) south of center of Bay St. Louis at St. Charles Street and Hancock Street.
Owner: City of Bay St. Louis.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,300 ft (396.2 m), cased to 1,280 ft (390.1 m).
DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.20 ft (0.365 m) above land-surface datum.
PERIOD OF RECORD.--November 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.1 ft (9.17 m) above land-surface datum, Nov. 1, 1960; lowest measured, 4.44 ft (1.353 m) below land-surface datum, July 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.32	APR 28	3.70

301900089201801. Local number, K4.
LOCATION.--Lat 30°19'00", long 89°20'18", Hydrologic Unit 03170009, SW¼ sec.30, T.8 S., R.13 W., 0.2 mi (0.3 km) north of Beach Boulevard on St. Charles Street.
Owner: City of Bay St. Louis.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS--Drilled public-supply artesian well, diameter 8 in (203 mm), depth 1,210 ft (368.8 m), cased to 1,150 ft (350.5 m).
DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.
PERIOD OF RECORD.--August 1975, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17 ft (5.2 m) above land-surface datum, August 1975; lowest water level measured 2.60 ft (0.792 m) above land-surface datum, Apr. 28, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 28	2.60

HARRISON COUNTY

303110089070201. Local number, G121.
LOCATION.--Lat 30°31'10", long 87°07'02", Hydrologic Unit 03170009, NE¼SW¼ sec.17, T.6 S., R.11 W., 2 mi (3 km) northwest of center of Lyman at fish hatchery.
Owner: Mississippi Game and Fish Commission.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 456 ft (139.0 m), screened 416-456 ft (126.8-139.0 m).
DATUM.--Land-surface datum is about 70 ft (21.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.121 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--1939, July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.0 ft (3.05 m) below land-surface datum, Apr. 14, 1939; lowest measured, 55.82 ft (17.014 m) below land-surface datum, Apr. 29, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 29	55.82

302240089025401. Local number, L144.
LOCATION.--Lat 30°22'40", long 89°02'54", Hydrologic Unit 03170009, SW¼NW¼ sec.1, T.8 S., R.11 W., 2.5 mi (4.0 km) east of center of Gulfport at V.A. Hospital on U.S. Highway 90.
Owner: U.S. Government (V.A. Hospital).
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 898 ft (273.7 m), cased to 818 ft (249.3 m).
DATUM.--Land-surface datum is about 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Steel plate on top of tee, 3.00 ft (0.914 m) above land-surface datum.
PERIOD OF RECORD.--March 1939, June 1957 to December 1958, April 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.3 ft (8.62 m) above land-surface datum, Mar. 17, 1939; lowest measured, 39.40 ft (12.009 m) below land-surface datum, Apr. 28, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	37.72	APR 28	39.40

HARRISON COUNTY--Continued

302200089053301. Local number, L154.

LOCATION.--Lat 30°22'00", long 89°05'33", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., at center of Gulfport at post office at U.S. Highways 49 and 90.
Owner: U.S. Post Office Dept., Gulfport.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 1,262 ft (384.7 m), screened 1,232-1,262 ft (375.6-384.7 m).

DATUM.--Land-surface datum is 19.62 ft (5.980 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (76 mm) casing tee, 1.70 ft (0.518 m) above land-surface datum.

PERIOD OF RECORD.--March 1939 to October 1950, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.1 ft (8.26 m) above land-surface datum, Jan. 31, 1940; lowest measured, 14.59 ft (4.447 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	13.85	APR 28	13.22

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", Hydrologic Unit 03170009, NW¼SE¼ sec.26, T.7 S., R.9 W., 1 mi (2 km) west of center of Biloxi at Howard Avenue and Querens Street.
Owner: City of Biloxi.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth reported 928 ft (282.9 m), sounded to 660 ft (201.2 m).

DATUM.--Land-surface datum is 21.28 ft (6.486 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (203 mm) flange, 3.00 ft (0.914 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1903, January 1945 to June 1946, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.0 ft (13.41 m) above land-surface datum, 1903; lowest measured, 77.68 ft (23.676 m) below land-surface datum, July 29, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	63.82	65.14		---	58.77	63.25	57.41	55.40	67.75	68.85	67.77	68.93
10	70.60	63.78		---	59.34	63.10	57.84	57.19	73.47	69.47	60.44	68.93
15	63.43	63.59		---	57.75	65.54	58.14	58.59	70.17	69.35	64.08	68.93
20	66.42	---		60.76	56.06	65.79	58.90	63.06	72.26	63.94	63.04	68.98
25	67.01	---		59.69	62.90	65.00	54.33	64.88	73.56	66.09	65.50	68.08
EOM	65.69	---		57.04	62.30	64.40	54.51	65.56	63.54	66.71	67.36	70.38

301856089145301. Local number, N3.

LOCATION.--Lat 30°18'56", long 89°14'53", Hydrologic Unit 03170009, SW¼NW¼ sec.30, T.8 S., R.13 W., 0.1 mi (0.2 km) northwest of center of Pass Christian at 2nd and Clark Streets.
Owner: Town of Pass Christian.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,111 ft (338.7 m), cased to 1,051 ft (320.3 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (203 mm) tee, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--1948, 1968, August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39 ft (11.9 m) above land-surface datum, 1948; lowest measured, 0.47 ft (0.225 m) above land-surface datum, Oct. 20, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	0.74	APR 28	2.65

HINDS COUNTY

322828090170501. Local number, C15.

LOCATION.--Lat 32°28'28", long 90°17'05", Hydrologic Unit 08060202, SW¼SE¼ sec.3, T.2 N., R.1 W., 0.2 mi (0.3 km) northeast of center of Pocahontas at elevated water tank.

Owner: Town of Pocahontas.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 786 ft (239.6 m).

DATUM.--Land-surface datum is about 240 ft (73.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on well head, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--September 1959, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.60 ft (26.700 m) below land-surface datum, Sept. 15, 1959; lowest measured, 112.50 ft (34.29 m) below land-surface datum, Mar. 23, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAR 23	112.50

321949090361501. Local number, D1.

LOCATION.--Lat 32°19'49", long 90°36'15", Hydrologic Unit 08060202, SW¼SW¼ sec.27, T.6 N., R.4 W., 0.2 mi (0.3 km) south of center of Edwards on State Highway 467.

Owner: Town of Edwards.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,154 ft (351.7 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in west side of pump base, at land-surface datum.

PERIOD OF RECORD.--1930, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84 ft (25.6 m) below land-surface datum, 1930; lowest measured, 124.88 ft (38.063 m) below land-surface datum, Apr. 6, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 6	124.88

322027090223101. Local number, F9.

LOCATION.--Lat 32°20'27", long 90°22'31", Hydrologic Unit 08060202, SE¼SW¼ sec.23, T.6 N., R.2 W., 2.8 mi (4.5 km) west of Clinton off old Highway 80.

Owner: Lakeridge Subdivision.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,004 ft (306.0 m).

DATUM.-- Land-surface datum is about 337 ft (102.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (102 mm) casing, 0.25 ft (0.076 m) above land-surface datum.

PERIOD OF RECORD.--January 1951, September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 205 ft (62.5 m) below land-surface datum, Jan. 15, 1951; lowest measured, 248.23 (75.660 m) below land-surface datum, Aug. 30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAR 23	240.28

321945090152201. Local number, G125.

LOCATION.--Lat 32°19'45", long 90°15'22", Hydrologic Unit 03180002, SE¼SW¼ sec.25, T.6 N., R.1 W., 5 mi (8 km) northwest of center of Jackson at Clinton Boulevard and Dixon Road.

Owner: Shady Oaks Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 852 ft (259.7 m), cased to 802 ft (244.4 m).

DATUM.--Land-surface datum is 372 ft (113.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (102 mm) coupling, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--1928, September 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft (48.77 m) below land-surface datum, 1928; lowest measured, 302.48 ft (92.196 m) below land-surface datum, Oct. 29, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	302.48	DEC 23	301.40	FEB 19	300.19	APR 19	297.32	JUN 24	298.56	AUG 25	297.13
NOV 25	302.09	JAN 27	299.33	MAR 23	298.07	MAY 28	297.93	JUL 21	297.51	SEP 26	298.62

322301090090001. Local number, H23.
LOCATION.--Lat 32°23'01", long 90°09'00", Hydrologic Unit 03180002, NW¼NE¼ sec.12, T.6 N., R.1 E., 6 mi (10 km) north of center of Jackson at Briarwood Drive and Highway I-55.
Owner: Kenneth Muse.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 728 ft (221.9 m).
DATUM.--Land-surface datum is about 315 ft (96.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft (0.20 m) above land-surface datum.
PERIOD OF RECORD.--October 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft (49.365 m) below land-surface datum, Apr. 12, 1957; lowest measured, 237.07 ft (72.259 m) below land-surface datum, Dec. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	235.70	DEC 22	237.07	FEB 23	228.83	APR 30	228.32	JUN 24	228.09	AUG 26	226.73
NOV 25	231.23	JAN 27	229.53	MAR 23	229.67	MAY 28	227.79	JUL 22	227.50	SEP 29	227.06

322021090114101. Local number, H43.
LOCATION.--Lat 32°20'21", long 90°11'41", Hydrologic Unit 03180002, NE¼NE¼ sec.23, T.6 N., R.1 E., 6 mi (10 km) north of center of Jackson at Livingston Road and Stonewall Street.
Owner: Royster Company.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 850 ft (259.1 m).
DATUM.--Land-surface datum is 336.83 ft (102.665 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 186.69 ft (56.903 m) below land-surface datum, Apr. 12, 1957; lowest measured, 264.44 ft (80.601 m) below land-surface datum, Jan. 27, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	260.56	DEC 22	261.55	FEB 23	252.94	APR 30	252.08	JUN 24	252.87	AUG 26	250.20
NOV 25	256.41	JAN 27	264.44	MAR 23	256.98	MAY 28	254.90	JUL 22	251.79	SEP 29	251.95

321957090105601. Local number, H155.
LOCATION.--Lat 32°19'57", long 90°10'56", Hydrologic Unit 03180002, NW¼SE¼ sec.27, T.6 N., R.1 E., 2 mi (3 km) north of center of Jackson on North West Street near Taylor Street.
Owner: Mississippi Geological Survey.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in (102 mm), depth 158 ft (48.2 m).
DATUM.--Land-surface datum is about 330 ft (100.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.121 m) above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft (43.626 m) below land-surface datum, July 11, 1972; lowest 156.97 ft (47.844 m) below land-surface datum, Apr. 4, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	155.34	DEC 22	155.52	FEB 23	155.61	APR 4	156.97	JUN 24	156.08	AUG 26	156.33
NOV 25	155.51	JAN 27	154.18	MAR 23	155.49	MAY 28	155.89	JUL 22	156.17	SEP 29	156.56

322241090073701. Local number, H160.
LOCATION.--Lat 32°22'41", long 90°07'37", Hydrologic Unit 03180002, SE¼NE¼ sec.7, T.6 N., R.2 E., 7 mi (11 km) northeast of center of Jackson at Old Canton Road and Parkway.
Owner: Colonial Country Club.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 m), depth reported 773 ft (235.6 m), cased to 634 ft (193.2 m).
DATUM.--Land-surface datum is about 305 ft (93.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.73 ft (41.675 m) below land-surface datum, Mar. 30, 1954; lowest measured, 214.97 ft (65.522 m) below land-surface datum, Aug. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	212.94	DEC 22	212.16	FEB 23	211.02	APR 30	209.63	JUN 24	211.05	AUG 20	211.25
NOV 25	213.59	JAN 27	211.46	MAR 23	209.90	MAY 28	212.03	JUL 22	211.10		

HINDS COUNTY--Continued

322222090095201. Local number, H164.
LOCATION.--Lat 32°22'22", long 90°09'52", Hydrologic Unit 03180002, SW¼SE¼ sec.11, T.6 N., R.1 E., 7 mi (11 km) north of center of Jackson on North State Street.
Owner: Homewood Manor Trailor Court.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 738 ft (225.0 m).
DATUM.--Land-surface datum is about 298 ft (90.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in west side of casing, 0.3 ft (0.09 m) above land-surface datum.
PERIOD OF RECORD.--January 1975, June 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 195.65 ft (59.634 m) below land-surface datum, June 10, 1977; lowest measured 217.20 ft (66.203 m) below land-surface datum, Nov.25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	216.93	DEC 22	214.37	FEB 23	213.36	APR 30	211.75	JUN 24	213.08	AUG 26	211.87
NOV 25	217.20	JAN 27	214.06	MAR 23	213.43	MAY 28	212.73	JUL 22	210.64	SEP 29	212.16

321512090283301. Local number, K55.
LOCATION.--Lat 32°15'12", long 90°28'33", Hydrologic Unit 08060202, NW¼NE¼ sec.26, T.5 N., R.3 W., 2.2 mi (3.5 km) west of Raymond.
Owner: J. Eastwood.
AQUIFER.--Sand of Mint Spring Marl of Vicksburg Group of Oligocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 195 ft (59.4 m).
DATUM.--Land-surface datum is about 242 ft (73.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plastic well casing, 1.5 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--September 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 61.11 ft (18.626 m) below land-surface datum, Apr. 30, 1980; lowest measured, 63.88 ft (18.632 m) below land-surface datum, Mar. 26, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAR 23	63.36

321521090245101. Local number, L5.
LOCATION.--Lat 32°15'21", long 90°24'51", Hydrologic Unit 08060202, NE¼NW¼ sec.20, T.5 N., R.2 E., 0.1 mi (0.2 km) northwest of center of Raymond on Court Street east of Oak Street.
Owner: Town of Raymond.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,185 ft (361.2 m).
DATUM.--Land-surface datum is about 328 ft (100.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--September 1960, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 191.70 ft (58.430 m) below land-surface datum, Mar. 18, 1971; lowest measured, 227.18 ft (69.244 m) below land-surface datum, Mar. 23, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAR 23	227.18

HINDS COUNTY--Continued

321300090142001. Local number, R23.
LOCATION.--Lat 32°13'00", long 90°14'20", Hydrologic Unit 03180002, SE¼NW¼ sec.6, T.4 N., R.1 E., 6 mi (10 km) south of center of Jackson at Taylorsville on Elton Road near Terry Road.
Owner: E. J. Ainsworth.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 840 ft (256.0 m).
DATUM.--Land-surface datum is about 380 ft (115.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220.97 ft (67.352 m) below land-surface datum, June 30, 1959; lowest measured, 272.99 ft (83.207 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 6	270.60

320620090370001. Local number, S3.
LOCATION.--Lat 32°06'20", long 90°37'00", Hydrologic Unit 08060203, NE¼NW¼ sec.16, T.3 N., R.4 W., 1 mi (2 km) east of center of Utica on State Highway 28 near State Highway 27.
Owner: Town of Utica.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 1,310 ft (399.2 m), screened 1,240-1,310 ft (377.9-399.2 m).
DATUM.--Land-surface datum is about 308 ft (93.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.40 ft (0.426 m) above land-surface datum.
PERIOD OF RECORD.--October 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 179.65 ft (54.757 m) below land-surface datum, Feb. 27, 1958; lowest measured, 220.34 ft (67.160 m) below land-surface datum, Apr. 6, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	196.69	APR 6	220.34

320430090543302. Local number, V33.
LOCATION.--Lat 32°04'30", long 90°54'33", Hydrologic Unit 03180002, NW¼SW¼ sec.15, T.3 N., R.1 W., near intersection of Jackson Street and Raymond Street in Terry.
Owner: Town of Terry.
AQUIFER.--Sand of Forest Hill Formation of Oligocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (254 mm), depth 473 ft (144.2 m).
DATUM.--Land-surface datum is about 286 ft (87.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 2.50 ft (0.762 m) above land-surface datum.
REMARKS.--Standby well, pumped occasionally.
PERIOD OF RECORD.--September 1959, September 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65 ft (19.8 m) below land-surface datum, September 1959; lowest measured, 127.31 ft (38.804 m) below land-surface datum, Oct. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	127.31	APR 6	124.13

HOLMES COUNTY

330650090034501. Local number, L43.
LOCATION.--Lat 33°06'50", long 90°03'45", Hydrologic Unit 08030206, SW¼NE¼ sec.35, T.15 N., R.2 E., 0.3 mi (0.5 km) west of center of Lexington on Boulevard Street at McLean Street.
Owner: Eric Norquist.
AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth reported 1,000 ft (304.8 m).
DATUM.--Land-surface datum is about 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, at land-surface datum.
PERIOD OF RECORD.--October 1957, January 1959, April 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft (0.884 m) above land-surface datum, Jan. 12, 1959; lowest measured, 1.37 ft (0.417 m) below land-surface datum, Apr. 9, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	1.37

HOLMES COUNTY--Continued

330448090192201. Local number, P159.

LOCATION.--Lat 33°04'48", long 90°19'22", Hydrologic Unit 08030206, NE¼NW¼ sec.8, T.14 N., R.1 W., at Thornton. Owner: M. L. Smith.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (76-51 mm), depth, 1,597 ft (486.8 m), screened 1,557-1,597 ft (474.6-486.8 m).

DATUM.--Land-surface datum is 111.72 ft (34.052 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, at land-surface datum.

PERIOD OF RECORD.--February 1939 to April 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 139.6 ft (42.55 m) above land-surface datum, July 31, 1941; lowest measured, 62.6 ft (19.08 m) above land-surface datum, Apr. 21, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	62.6

330443089512503. Local number, T4.

LOCATION.--Lat 33°04'43", long 89°51'25", Hydrologic Unit 08060201, SE¼ sec.11, T.14 N., R.4 E., 0.3 mi (0.5 km) northwest of center of Durant at Lamar Street and Ramsey Street. Owner: Town of Durant.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 700 ft (213.4 m).

DATUM.--Land-surface datum is 267 ft (81.4 m) National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in (19 mm) hole in west side of well head, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--January 1957, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6 ft (1.8 m) above land-surface datum, Jan. 1957; lowest measured, 25.00 ft (7.620 m) below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	21.45

330420089510901. Local number, T14.

LOCATION.--Lat 33°04'20", long 89°51'09", Hydrologic Unit 08060201, SE¼NE¼ sec.14, T.14 N., R.4 E., 0.1 mi (0.2 km) southeast of center of Durant at Cedar Street and Love Street. Owner: Illinois Central Railroad.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 608 ft (185.3 m), cased to 588 ft (179.2 m).

DATUM.--Land-surface datum is about 263 ft (80.2 m) National Geodetic Vertical Datum of 1929. Measuring point: 2-in (51 mm) hole in top of casing, 0.60 ft (0.182 m) above land-surface datum.

PERIOD OF RECORD.--October 1959, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.77 ft (2.064 m) above land-surface datum, Oct. 8, 1959; lowest measured, 9.65 ft (2.941 m) below land-surface datum, Oct. 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	9.50

ITAWAMBA COUNTY

341633088243801. Local number, G24.

LOCATION.--Lat 34°16'33", long 88°24'38", Hydrologic Unit 03160101, NW¼NE¼ sec.25, T.9 S., R.8 E., 0.2 mi (0.3 km) northwest of center of Fulton on Hill Street at Waterworks. Owner: Town of Fulton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 164 ft (50.0 m).

DATUM.--Land-surface datum is about 320 ft (97.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.25 ft (0.381 m) above land-surface datum.

PERIOD OF RECORD.--August 1954, August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.6 ft (7.19 m) below land-surface datum, Feb. 16, 1959; lowest measured, 74.65 ft (22.753 m) below land-surface datum, Apr. 20, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 8	63.86

ITAWAMBA COUNTY--Continued

341604088244601. Local number, G67.

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., 0.6 mi (1.0 km) southeast of center of Fulton along railroad track.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm) depth 175 ft (53.3 m).
DATUM.--Land-surface datum is about 284 ft (86.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder house floor 3.80 ft (1.158 m) above land surface datum.
REMARKS.--Water levels affected by nearby dewatering project.
PERIOD OF RECORD.--June 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 8.17 ft (2.490 m) below land-surface datum, June 8, 1978; lowest measured, 44.16 ft (13.460 m) below land-surface datum, Oct. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	43.37	41.51	41.58	41.35	41.92	42.01	37.76	38.10	39.07	37.87	40.72	40.33
10	42.70	41.61	41.76	41.73	42.09	41.50	38.24	37.28	38.10	37.83	41.02	40.61
15	42.27	41.50	41.59	41.41	42.17	41.69	38.73	36.44	39.17	39.11	39.39	41.45
20	41.73	41.55	42.17	41.87	42.11	40.54	38.23	37.16	38.60	39.58	40.25	41.05
25	41.60	41.02	42.45	41.85	42.16	40.07	39.10	38.22	38.62	39.83	40.69	41.31
EOM	41.53	40.72	41.74	41.72	42.01	38.81	38.30	38.61	38.71	39.80	39.86	40.30

JACKSON COUNTY

302454088493401. Local number, N48.

LOCATION.--Lat 30°24'55", long 88°49'35", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi (0.2 km) east of depot at Ocean Springs at Robinson Avenue and Cash Alley.
Owner: Louisville and Nashville Railroad.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth reported 535 ft (163.1 m), screened 495-535 ft (150.9-163.1 m), cased to 495 ft (150.5 m).
DATUM.--Land-surface datum is about 23 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northwest side of pump, 0.80 ft (0.243 m) above land-surface datum.
PERIOD OF RECORD.--1928, April 1939, August 1958 to July 1963, July 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.14 m) above land-surface datum, 1928; lowest measured, 77.53 ft (23.631 m) below land-surface datum, Oct. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	77.53	APR 28	73.26

302357088473801. Local number, N73.

LOCATION.--Lat 30°23'57", long 88°47'38", Hydrologic Unit 03170009, SE¼NW¼ sec.28, T.2 S., R.8 W., 2 mi (3.2 km) southeast of center of Ocean Springs on Henley Street near park entrance.
Owner: Magnolia State Park.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 536 ft (163.4 m), screened 516-536 ft (157.3-163.4 m).
DATUM.--Land-surface datum is about 22 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--April 1938, June 1956 to April 1973, June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.0 ft (3.65 m) above land-surface datum, Apr. 8, 1938; lowest measured, 71.71 ft (21.857 m) below land-surface datum, Oct. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	71.71	APR 29	66.20

302451088325901. Local number, P45.

LOCATION.--Lat 30°24'51", long 99°32'59", Hydrologic Unit 03170008, NE¼NE¼ sec.10, T.7 S., R.6 W., 0.5 mi (0.8 km) northwest of center of Moss Point at Weems Street and Dantzler Street.

Owner: Central Artesian Well Co.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 806 ft (245.7 m), cased to 806 ft (245.7 m).

DATUM.--Land-surface datum is about 20 ft (6 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in tee, 0.80 ft (0.243 m) above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.0 ft (8.53 m) above land-surface datum, Sept. 6, 1919; lowest measured, 54.07 ft (16.480 m) below land-surface datum, Nov. 6, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	50.21	APR 29	49.03

302244088325801. Local number, P68.

LOCATION.--Lat 30°22'44", long 88°32'58", Hydrologic Unit 03170006, SE¼NE¼ sec.2, T.8 S., R.6 W., 1 mi (2 km) north of center of Pascagoula at Market Street and River Road.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (305 mm), depth 292 ft (89.0 m), cased to 282 ft (86.0 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in top of plate at well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft (15.560 m) below land-surface datum, Apr. 18, 1962; lowest measured, 95.90 ft (29.230 m) below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 22	86.35

302205088334005. Local number, P113.

LOCATION.--Lat 30°22'05", long 88°33'40", Hydrologic Unit 03170006, NW¼NW¼ sec.5, T.8 S., R.6 W., 0.2 mi (0.3 km) northwest of center of Pascagoula at Railroad Avenue and Frederic Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (254 mm), depth 388 ft (118.3 m), cased to 308 ft (93.9 m).

DATUM.--Land-surface datum is about 13 ft (4.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing (since Apr. 20, 1976), at land-surface datum.

PERIOD OF RECORD.--April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.40 ft (10.485 m) below land-surface datum, Apr. 10, 1958; lowest measured, 75.58 ft (23.037 m) below land-surface datum, July 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAY 11	59.58

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'34", long 88°33'08", Hydrologic Unit 03170006, SW¼SE¼ sec.11, T.8 S., R.6 W., 0.5 mi (0.8 km) southeast of center of Pascagoula at Communy Street east of Pascagoula Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (305 mm), depth 801 ft (244.1 m), cased to 721 ft (219.8 m).

DATUM.--Land-surface datum is 10.50 ft (3.200 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of plate at well head, 1.00 ft (0.304 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft (1.433 m) below land-surface datum, Mar. 21, 1960; lowest measured, 144.64 ft (44.086 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 22	72.38

302042088331801. Local number, P134.
LOCATION.--Lat 30°20'42", long 88°33'18", Hydrologic Unit 03170006, SE¼ sec.6, T.8 S., R.6 W., 1.5 mi (2.4 km) south of center of Pascagoula at Farnsworth Avenue and Firth Street.
Owner: City of Pascagoula.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (305 mm), depth 750 ft (228.6 m).
DATUM.--Land-surface datum is 10.54 ft (3.212 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, 1.00 ft (0.304 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--April 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.14 ft (3.090 m) below land-surface datum, May 5, 1960, lowest measured, 121.03 ft (36.889 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	62.16	APR 29	56.23

302623088311103. Local number, Q16.
LOCATION.--Lat 30°26'23", long 88°31'11", Hydrologic Unit 03170008, SW¼SW¼ sec.17, T.7 S., R.5 W., 2 mi (3 km) east of center of Escatawpa on Elder Ferry Road.
Owner: Thiokol Chemical Corporation.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 967 ft (294.7 m).
DATUM.--Land-surface datum is about 7 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: 2 in (51 mm) horizontal pipe, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--July 1952, October 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18 ft (5.5 m) above land-surface datum, July 1952; lowest measured, 2.00 ft (0.609 m) above land-surface datum, October 22, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	2.00	APR 29	1.27

302535088303501. Local number, Q25.
LOCATION.--Lat 30°25'35", long 88°30'35", Hydrologic Unit 03170008, NW¼NE¼ sec.20, T.7 S., R.5 W., 2 mi (3 km) east of center of Escatawpa on Elder Ferry Road at packing plant.
Owner: Smith Fisheries.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 200 ft (61.0 m).
DATUM.--Land-surface datum is about 4 ft (1.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.07 ft (3.069 m) below land-surface datum, Apr. 15, 1960; lowest measured, 49.56 ft (15.106 m) below land-surface datum, Apr. 30, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	36.03	APR 29	37.98

302126088293801. Local number, Q112.
LOCATION.--Lat 30°21'32", long 88°29'38", Hydrologic Unit 03170009, SW¼SW¼ sec.9, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on east side of State Highway 611 north of Standard Oil Refinery.
Owner: Jackson County Board of Supervisors.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in (152-102 mm), depth 202 ft (61.6 m), screened 192-202 ft (58.5-61.6 m), cased to 192 ft (58.5 m).
DATUM.--Land-surface datum is about 3.4 ft (1.03 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--May 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft (1.917 m) below land-surface datum, May 6, 1960; lowest measured, 16.22 ft (4.944 m) below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	14.17	APR 29	12.54

JACKSON COUNTY--Continued

302304088305901. Local number, Q149.

LOCATION.--Lat 30°23'04", long 88°30'59", Hydrologic Unit 03170006, SE¼SE¼ sec.31, T.8 S., R.5 W., 0.5 mi (0.80 km) west of State Highway 607 on U.S. Highway 90 east of Pascagoula.

Owner: Dairy Fresh Corporation.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 333 ft (101.5 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1963, August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft (19.2 m) below land-surface datum, June 1, 1963; lowest water level measured 111.52 ft (33.991 m) below land-surface datum, May 17, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	106.84	APR 29	102.80

302103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", Hydrologic Unit 03170009, NE¼SE¼ sec.17, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on west side of State Highway 611 at Coastal Chemical Co.

Owner: U.S. Geological Survey.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 346 ft (105.5 m), cased to 340 ft (103.6 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.3 ft (1.00 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.35 ft (16.871 m) below land-surface datum, July 19, 1982; lowest measured, 145.1 ft (44.23 m) below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	112.55	106.45	115.46	114.18	103.54	91.61	83.27	86.53	---	60.50	61.23	76.92
10	113.32	107.56	117.27	116.73	105.92	91.33	83.27	91.22	---	61.57	61.30	70.87
15	109.49	106.46	111.43	117.46	102.43	90.64	86.14	83.25	---	61.78	60.35	69.20
20	---	102.06	119.29	108.55	99.72	92.82	88.72	---	---	56.80	58.79	68.01
25	105.41	104.67	110.03	112.75	98.02	89.57	90.96	---	---	58.43	---	68.75
EOM	106.74	109.14	111.32	109.73	92.31	86.49	88.29	---	59.21	59.53	70.61	66.55

302253088302401. Local number Q407.

LOCATION.--Lat 30°22'53", long 88°30'24", Hydrologic Unit 03170006, SW¼NW¼ sec.5, T.8 S., R.5 W., 2.5 mi (4.0 km) east of center of Pascagoula on Old Mobile Highway at Chateau Drive.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 327 ft (99.7 m).

DATUM.--Land-surface datum is about 13.5 ft (4.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (51 mm) pipe, 2.50 ft (.762 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1975, April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.0 ft (28.04 m) below land-surface datum Mar. 1, 1975; lowest measured, 149.99 ft (45.717 m) below land-surface datum, Oct. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	149.99	APR 29	126.30

JACKSON COUNTY--Continued

302141088313101. Local number, Q424.
LOCATION.--Lat 30°21'41", long 88°31'31", Hydrologic Unit 03170009, sec.30, T.8 S., R.6 W., 1.5 mi (2.4 km) east of center of Pascagoula at Chico and Scovel Streets.
Owner: City of Pascagoula.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 182 ft (55.5 m).
DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--September 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.04 ft (6.719 m) below land-surface datum, Apr. 5, 1979; lowest measured, 25.0 ft (7.62 m) below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	23.20	JAN 19	22.65	APR 1	21.93	JUN 29	21.83	SEP 29	21.44
DEC 2	22.68	FEB 23	22.53	MAY 18	21.68	AUG 9	21.38		

JEFFERSON COUNTY

314247091034201. Local number, H3.
LOCATION.--Lat 31°42'40", long 91°03'40", Hydrologic Unit 08060204, SW¼NW¼ lot 45, T.9 N., R.1 E., 0.1 mi (0.2 km) west of courthouse in Fayette at waterworks.
Owner: Town of Fayette.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth reported 272 ft (82.9 m), screened 232-272 ft (70.7-82.9 m), cased to 232 ft (70.7 m).
DATUM.--Land-surface datum is 280 ft (85.3 m) National Geodetic Vertical Datum of 1929 (formerly 270 ft). Measuring point: Top of casing, 1.10 ft (0.335 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--March 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 117.60 ft (35.845 m) below land-surface datum, Sept. 9, 1962; lowest measured, 151.35 ft (46.131 m) below land-surface datum, Oct. 5, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
OCT 5	151.35

JONES COUNTY

314210089084401. Local number, C34.
LOCATION.--Lat 31°42'47", long 89°08'44", Hydrologic Unit 3170005, SW¼SE¼ sec.31, T.9 N., R.11 W., north of center of Laurel at 10th Avenue and 8th Street.
Owner: City of Laurel.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-12 in (457-305 m), depth 383 ft (116.7 m).
DATUM.--Land-surface datum is about 276 ft (84.1 m) National Geodetic Vertical Datum of 1929. Measuring point: 1 in (254 mm) hole in pump base plate, 0.75 ft (0.229 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--October 1945, September 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127 ft (38.7 m) below land-surface datum, October 1945; lowest measured, 195.19 ft (59.494 m) below land-surface datum, Sept. 9, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
SEP 9	195.19

314716089054801. Local number, C111.
LOCATION.--Lat 31°47'16", long 89°05'48", Hydrologic Unit 3170005, NE¼SE¼ sec.33, T.10 N., R.11 W., 6.5 mi (6.9 km) north of center of Laurel at Sharon Community.
Owner: Sharon Water Association.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in (152-102 mm), depth 248 ft (75.6 m).
DATUM.--Land-surface datum is about 305 ft (92.9 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in (13 mm) hole in 6-in (152 mm) well seal, 2.00 ft (0.609 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--February 1972, December 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft (33.5 m) below land-surface datum, Feb. 22, 1972; lowest measured, 147.45 ft (44.943 m) below land-surface datum, Dec. 10, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	147.45	JUN 9	145.62

JONES COUNTY--Continued

313928089103001. Local number, F20.
LOCATION.--Lat 31°39'28", long 89°10'30", Hydrologic Unit 03170005, NE¼SE¼ sec.14, T.8 N., R.12 W., 5 mi (8 km) southwest of center of Laurel and 0.2 mi (0.3 km) south of Laurel Airport.
Owner: City of Laurel.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in (508-305 mm), depth 466 ft (142.0 m), cased to 406 ft (123.7 m).
DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.609 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--December 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118.8 ft (36.21 m) below land-surface datum, Dec. 5, 1977; lowest measured, 202.39 ft (61.688 m) below land-surface datum, Aug. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	182.42	163.61	154.55	152.13	155.71	150.23	141.15	146.23	155.71	158.96	175.50	175.33
10	182.07	158.60	155.75	155.90	153.56	148.14	143.37	144.31	164.69	165.52	177.92	173.72
15	180.12	157.12	---	162.95	150.52	146.79	145.16	147.50	168.25	167.92	181.17	170.20
20	175.39	158.06	---	155.71	153.70	153.27	145.25	155.71	159.49	172.55	173.57	167.70
25	163.91	160.69	152.18	153.84	152.92	146.64	139.02	145.64	162.62	170.50	175.54	164.60
EOM	164.67	152.23	155.90	---	143.79	145.70	147.09	151.02	163.79	175.94	176.74	158.01

314143089083901. Local number, G55.
LOCATION.--Lat 31°41'43", long 89°08'39", Hydrologic Unit 03170005, NW¼NW¼ sec.6, T.8 N., R.11 W., 1 mi (2 km) west of the center of Laurel at 6th Street and 14th Avenue.
Owner: City of Laurel.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24-12 in (610-305 mm), depth 405 ft (123.4 m), cased to 345 ft (105.2 m).
DATUM.--Land-surface datum is 279.2 ft (85.10 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.609 m) above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--March 1964, January 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126 ft (38.4 m) below land-surface datum, March 1964; lowest measured, 197.50 ft (60.198 m) below land-surface datum, Oct. 31, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	189.70	DEC 21	191.94	FEB 3	189.30	MAR 18	185.80

LAFAYETTE COUNTY

343005089301301. Local number, B1.
LOCATION.--Lat 34°30'05", long 89°30'13", Hydrologic Unit 08030201, NW¼SE¼ sec.3, T.7 S., R.3 W., 0.2 mi (0.3 km) east of Highway 7 at Abbeville.
Owner: Town of Abbeville.
AQUIFER.--Sand of lower part of the Wilcox Group of Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 520 ft (158.5 m).
DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.
REMARKS.--Water level affected by pumping.
PERIOD OF RECORD.--February 1963, September 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft (47.2 m) below land-surface datum, February 1963; lowest measured, 161.86 ft (49.334 m) below land-surface datum, Sept. 30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	160.42	JAN 25	163.37

LAFAYETTE COUNTY--Continued

342550089312801. Local number, B4.

LOCATION.--Lat 34°25'50", long 89°31'28", Hydrologic Unit 08030201, SW¼NW¼ sec.33, T.7 S., R.3 W., 5 mi (8 km) north of center of Oxford on west side of State Highway 7.
Owner: U.S. Plywood Company.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 248 ft (75.6 m), cased to 208 ft (63.4 m).

DATUM.--Land-surface datum is about 430 ft (131.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.80 ft (0.548 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.40 ft (24.201 m) below land-surface datum, June 16, 1980; lowest measured, 88.65 ft (27.021 m) below land-surface datum, Dec. 29, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	82.75	82.61	---	82.83	82.87	83.29	83.09	83.03	83.18	83.05	83.44	83.29
10	82.53	82.69	---	83.12	82.97	82.86	83.15	83.40	83.28	83.33	83.52	83.46
15	82.56	82.60	---	82.97	83.08	83.05	83.13	83.27	83.09	83.37	83.26	83.49
20	82.44	82.74	82.70	83.05	83.09	83.02	83.28	82.93	83.19	83.46	83.38	83.65
25	82.09	---	82.63	83.22	83.09	83.27	82.87	83.24	83.42	83.41	83.52	83.38
EOM	82.65	---	82.69	83.32	83.03	83.15	83.18	83.16	83.15	83.27	83.59	83.46

342136089315001. Local number, F5.

LOCATION.--Lat 34°21'36", long 89°31'50", Hydrologic Unit 08030203, NW¼NE¼ sec.29, T.8 S., R.3 W., 1 mi (2 km) southwest of center of Oxford at University.
Owner: University of Mississippi.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 113 ft (34.4 m), cased to 98 ft (29.9 m).

DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--1962, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft (21.684 m) below land-surface datum, Dec. 9, 1976; lowest measured, 82.00 ft (24.994 m) below land-surface datum, March 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	76.00	FEB 3	75.64	APR 14	74.30	AUG 18	75.49
NOV 16	76.11	MAR 3	74.94	JUL 14	77.59		

342130089313001. Local number, F21.

LOCATION.--Lat 34°21'30", long 89°31'30", Hydrologic Unit 08030203, SW¼NW¼ sec.28, T.8 S., R.3 W., 1.5 mi (2.4 km) southwest of center of Oxford at Chambers Manufacturing Company south of State Highway 6 on Old Taylor Road.
Owner: City of Oxford.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth reported 250 ft (76.2 m).

DATUM.--Land-surface datum is about 470 ft (143.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--October 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.06 ft (24.707 m) below land-surface datum, July 23, 1979, lowest measured, 113.20 ft (34.503 m) below land-surface datum, Jan. 13, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAR 3	107.66

342104089320301. Local number, F112.

LOCATION.--Lat 34°21'04", long 89°32'03", Hydrologic Unit 08030203, SW¼SE¼ sec.29, T.8 S, R.3 W., 1.5 mi (2.4 km) south of State Highway 6 on Old Taylor Road.
Owner: City of Oxford.

AQUIFER.--Sand of the Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 439 ft (133.8 m).

DATUM.--land-surface datum is about 470 ft (143.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 164.84 ft (50.243 m) below land-surface datum, May 26, 1982; lowest measured, 226.15 ft (68.931 m) below land-surface datum, June 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	167.14	FEB 3	166.80	APR 14	165.06	AUG 18	164.90
NOV 16	167.37	MAR 3	165.33	MAY 26	164.84	SEP 15	164.92

LAMAR COUNTY

310935089252001. Local number, L63.
LOCATION.--Lat 31°09'35", long 89°25'20", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 1.5 mi (2.4 km) northwest of center of Purvis on State Highway 581 at elevated water tank.
Owner: Progress Water Association.
AQUIFER.--Sand of the Catahoula Sandstone of early Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 960 ft (292.6 m), cased to 910 ft (277.4 m).
DATUM.--Land-surface datum is about 370 ft (112.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.30 ft (0.701 m) above land-surface datum.
PERIOD OF RECORD.--1968, September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft (67.1 m) below land-surface datum, 1968; lowest measured, 265.02 ft (80.778 m) below land-surface datum, Sept. 1, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	258.67	FEB 25	259.52	APR 28	259.63	JUL 8	264.20	SEP 1	265.02

310934089252101. Local number, L93.
LOCATION.--Lat 31°09'35", long 89°25'21", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 1.5 mi (2.4 km) northwest of center of Purvis on State Highway 581.
Owner: Progress Water Association.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled public supply well, diameter 8-6 in (203-152 mm), depth 264 ft (80.5 m).
DATUM.--Land-surface datum is about 375 ft (114.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (190 mm) air vent, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--January 1976, November 1980, September 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142 ft (43.3 m) below land-surface datum, Jan. 27, 1976; lowest measured, 148.05 ft (45.126 m) below land-surface datum, Sept. 1, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
SEP 1	148.05

LAUDERDALE COUNTY

321902088445701. Local number, M3.
LOCATION.--Lat 32°19'02", long 88°44'57", Hydrologic Unit 03170001, NW¼SE¼ sec.34, T.6 N., R.15 E., 4 mi (6 km) southwest of center of Meridian on U.S. Highway 11 at fish hatchery.
Owner: U.S. Fish and Wildlife.
AQUIFER.--Sand of lower part of the Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled hatchery-supply artesian well, diameter 10-8 in (254-203 mm), depth 729 ft (222.2 m), cased to 688 ft (209.7 m).
DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, at land-surface datum.
REMARKS.--Water levels affected by pumping.
PERIOD OF RECORD.--January 1964 to October 1969, April 1971 to November 1974, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.37 ft (4.075 m) above land-surface datum, Oct. 20, 1971; lowest measured, 9.90 ft (3.017 m) below land-surface datum, June 30, 1979.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	-0.34	MAR 18	0.10	JUN 11	-1.16

313315090062001. Local number, G2.
LOCATION.--Lat 31°33'15", long 90°06'20", Hydrologic Unit 03180003, NW¼NW¼ sec.28, T.7 N., R.11 E., near center of Monticello, 400 ft (121.9 m) northwest of courthouse on Washington Street.
Owner: Town of Monticello.
AQUIFER.--Sands of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-6 in (254-152 mm), depth 895 ft (272.8 m).
DATUM.--Land-surface datum is 198 ft (60.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (203 mm) casing, 2.80 ft (0.853 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--November 1949, November 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18 ft (5.5 m) below land-surface datum November 1949; lowest measured, 116.95 ft (35.646 m) below land-surface datum, Nov. 6, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	116.95	SEP 28	104.03

LEAKE COUNTY

324427089295201. Local number, L1.
LOCATION.--Lat 32°44'20", long 89°29'50", Hydrologic Unit 03180001, SW¼SE¼ sec.5, T.10 N., R.8 E., 2.5 mi (4.0 km) east of center of Carthage on State Highway 16 at McAfee.
Owner: C. Daugherty.
AQUIFER.--Sand of middle part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in (102-51 mm), depth reported 700 ft (213.4 m), screened 680-700 ft (207.3-213.4 m), cased to 680 ft (207.3 m).
DATUM.--Land-surface datum is about 350 ft (106.7 m) National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.50 ft (0.762 m) above land-surface datum.
PERIOD OF RECORD.--June 1957 to October 1963, April 1965, November 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.81 ft (6.343 m) below land-surface datum, May 1, 1958; lowest measured, 41.78 ft (12.735 m) below land-surface datum, May 28, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAY 28	41.78

LEE COUNTY

341632088403001. Local number, H9.
LOCATION.--Lat 34°16'32", long 88°40'30", Hydrologic Unit 03160102, SW¼NE¼ sec.28, T.9 S., R.6 E., about 2.5 mi (4 km) east of Tupelo and north of U.S. Highway 78 on Saltillo road.
Owner: Pierce Grocery.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 335 ft (102.1 m).
DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum
PERIOD OF RECORD.--December 1947, January 1967 to February 1968, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft (10.7 m) below land-surface datum, Dec. 1, 1947; lowest measured 168.23 ft (51.277 m) below land-surface datum, Oct. 7, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	168.23	APR 8	165.0

341547088422901. Local number, H22.
LOCATION.--Lat 34°15'47", long 88°42'29", Hydrologic Unit 03160102, NW¼NW¼ sec.31, T.9 S., R.6 E., 0.5 mi (0.8 km) northwest of center of Tupelo at Leake Street and Park Avenue.
Owner: City of Tupelo.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in (305-230 mm), depth 430 ft (131.1 m), cased to 370 ft (113 m).
DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, at land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--1954, October 1965 to October 1967, April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120 ft (36.6 m) below land-surface datum, 1954; lowest measured, 227.65 ft (69.387 m) below land-surface datum, Aug. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	223.59	APR 8	222.39

341939088423601. Local number, H35.
LOCATION.--Lat 34°19'39", long 88°42'36", Hydrologic Unit 03160102, SW¼NE¼ sec.6, T.9 S., R.6 E., 0.5 mi (0.8 km) north of center of Tupelo on U.S. Highway 45 at Natchez Trace.
Owner: Natchez Trace Parkway.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 400 ft (121.9 m), cased to 20 ft (6.1 m).
DATUM.--Land-surface datum is about 325 ft (99.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--April 1958 to December 1968, October 1975 to September 1976.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.32 ft (19.910 m) below land-surface datum, June 17, 1958; lowest measured, 149.98 ft (45.714 m) below land-surface datum, Apr. 8, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 7	149.95	APR 8	149.98

LEE COUNTY--Continued

341536088421001. Local number, H42.
LOCATION.--Lat 34°15'36", long 88°42'10", Hydrologic Unit 03160102, SE¼NE¼ sec.31, T.9 S., R.6 E., 0.2 mi (0.3 km) northeast of center of Tupelo at Spring Street and Sherwood at waterworks.
Owner: City of Tupelo.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in (406-254 mm), depth 562 ft (171.3 m), cased to 510 ft (155.4 m).
DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in east side of pump base, 3.00 ft (0.914 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1966, October 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 164.00 ft (49.987 m) below land-surface datum, Aug. 16, 1966; lowest measured, 260.18 ft (79.303 m) below land-surface datum, May 17, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	255.04	APR 8	228.26

341235088431601. Local number, K29.
LOCATION.--Lat 34°12'35", long 88°43'16", Hydrologic Unit 03160102, SE¼SE¼ sec.13, T.10 S., R.5 E., 3.5 mi (5.6 km) south of center of Tupelo on U.S. Highway 45 at Barber Milk Company.
Owner: Barber Milk Company.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth reported 491 ft (149.7 m), cased to 451 ft (137.5 m).
DATUM.--Land-surface datum is about 345 ft (105.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.80 ft (0.243 m) above land-surface datum.
REMARKS.--Water levels effected by nearby pumping.
PERIOD OF RECORD.--January 1967 to October 1967, September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.2 ft (54.01 m) below land-surface datum, Mar. 22, 1967; lowest measured, 279.79 ft (85.280 m) below land-surface datum, Aug. 31, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	273.47	275.50	272.40	272.45	273.51	271.99	272.26	271.75	271.60	269.89	272.32	271.27
10	277.58	275.40	272.40	272.24	273.49	271.88	272.16	271.57	271.63	269.89	271.93	265.46
15	277.40	275.17	270.05	272.41	273.44	271.71	272.27	271.44	271.65	269.77	271.27	271.50
20	277.40	274.24	272.88	272.90	273.18	272.05	272.04	271.54	271.27	269.67	271.53	268.53
25	277.40	272.40	272.93	273.38	273.19	272.27	271.51	271.72	271.27	266.45	271.79	267.73
EOM	277.40	272.40	272.35	273.37	272.92	272.29	271.97	271.63	270.20	268.20	271.39	267.67

340522088371701. Local number, 014.
LOCATION.--Lat 34°05'25", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.
Owner: Town of Nettleton.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 612 ft (186.5 m), cased to 587 ft (178.9 m).
DATUM.--Land-surface datum is about 260 ft (79.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well base, 0.70 ft (0.213 m) above land-surface datum.
PERIOD OF RECORD.--July 1940, September 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.40 ft (6.828 m) below land-surface datum, July 15, 1940; lowest measured, 62.00 ft (18.897 m) below land-surface datum, Mar. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 7	60.52

340523088371701. Local number, 015.
LOCATION.--Lat 34°05'23", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.
Owner: Town of Nettleton.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (203 mm), depth 282 ft (86.0 m).
DATUM.--Land-surface datum is about 266 ft (81.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in west side of pump base, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--September 1956, March 1968, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20 ft (6.1 m) below land-surface datum, September 1956; lowest measured, 83.90 ft (25.573 m) below land-surface datum, July 30, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 7	82.46

LEFLORE COUNTY

333823090205101. Local number, D160.

LOCATION.--Lat 33°38'23", long 90°20'51", Hydrologic Unit 08030207, NW¼SW¼ sec.31, T.21 N., R.1 W., 0.1 mi (0.2 km) east of center of Schlater on south side of State Highway 442.
Owner: Mrs. D. B. Jameson.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 816 ft (248.7 m), cased to 816 ft (248.7 m).

DATUM.--Land-surface datum is 132.05 ft (40.248 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in pipe, 2.30 ft (0.701 m) above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1938 to October 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.14 m) above land-surface datum, 1919; lowest measured, 9.71 ft (2.959 m) below land-surface datum, Apr. 12, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 12	9.71

333437090262601. Local number, F53.

LOCATION.--Lat 33°34'37", long 90°26'26", Hydrologic Unit 08030207, NW¼NW¼ sec.29, T.20 N., R.2 W., 6 mi (10 km) southwest of Schlater.
Owner: William Tackett.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth 100 ft (30.5 m).

DATUM.--Land-surface datum is about 120 ft (36.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor 1.60 ft (0.487 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal pumping. Recorder pulled March 1982.

PERIOD OF RECORD.--March 1978, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18 ft (5.5 m) below land-surface datum, March 24, 1978; lowest measured, 35.21 ft (10.415 m) below land-surface datum, July 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.93	33.37	33.29	33.14	32.79		---					---
10	33.77	33.36	33.15	33.03	---		31.70					---
15	33.57	33.27	33.12	32.81	---		---					34.82
20	33.50	33.34	33.07	32.99	---		---					---
25	33.46	33.21	33.06	32.90	---		---					---
EOM	33.44	33.01	32.93	33.11	---		---					---

333159090113401. Local number, L79.

LOCATION.--Lat 33°31'59", long 90°11'34", Hydrologic Unit 08030205, SW¼SE¼ sec.4, T.19 N., R.1 E., at elevated tank on Parkes Street near center of Greenwood.
Owner: City of Greenwood.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 800 ft (243.8 m).

DATUM.--Land-surface datum is about 128 ft (39.0 m) National Geodetic Vertical Datum of 1929. Measuring point: End of 2-in (51 mm) nipple off casing, 2.2 ft (0.67 m) above land-surface datum.

PERIOD OF RECORD.--April 1960, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.5 ft (1.37 m) above land-surface datum, Apr. 28, 1960; lowest measured, 26.97 ft (8.220 m) below land-surface datum, Apr. 16, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 16	26.97

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LEFLORE COUNTY--Continued

333135090124402. Local number, L111.
LOCATION.--Lat 33°31'35", long 90°12'44", Hydrologic Unit 08030205, SE¼SE¼ sec.8, T.19 N., R.1 E., at Henderson Generating Plant west of U.S. Highway 82, Greenwood.
Owner: City of Greenwood.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (254 mm), depth 95 ft (29.0 m).
DATUM.--Land-surface datum is about 95 ft (29.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelter, 2.50 ft (0.762 m) above land-surface datum.
PERIOD OF RECORD.--April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.70 ft (10.272 m) below land-surface datum, Apr. 27, 1979; lowest measured 35.96 ft (10.960 m) below land-surface datum, Sept. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 16	29.38

333050090112501. Local number, L150.
LOCATION.--Lat 33°30'50", long 90°11'25", Hydrologic Unit 08030205, NE¼NE¼ sec.16, T.19 N., R.1 E., at street department barn, Parkway Street and Johnson Street.
Owner: City of Greenwood.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 220 ft (67.1 m).
DATUM.--Land-surface datum is about 126 ft (38.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--January 1964, April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.81 ft (5.429 m) below land-surface datum, Apr. 15, 1981; lowest measured, 50 ft (15.2 m) below land-surface datum, Jan. 22, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 16	23.31

333100090105801. Local number, L152.
LOCATION.--Lat 33°31'00", long 90°10'58", Hydrologic Unit 08030206, NE¼NW¼ sec.15, T.19 N., R.1 E., 0.1 mi (0.2 km) southwest of center of Greenwood at Cotton Street and Johnson Street.
Owner: City of Greenwood.
AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 660 ft (201.2 m), reported screened 620-640 ft (189.0-195.1 m).
DATUM.--Land-surface datum is 133.98 ft (40.837 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/2-in (13 mm) bushing in top of well, 2.80 ft (0.853 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--1938, March 1940 to February 1950, April 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.9 ft (6.07 m) above land-surface datum, Aug. 5, 1944; lowest measured, 35.06 ft (10.686 m) below land-surface datum, Apr. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 16	16.94

LINCOLN COUNTY

313731090370101. Local number, B37.
LOCATION.--Lat 31°37'31", long 90°37'01", Hydrologic Unit 03180005, NE¼NE¼ sec.32, T.8 N., R.6 E., 10 mi (16 km) west of Brookhaven.
Owner: Ronald Durr.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 152 ft (46.3 m).
DATUM.--Land-surface datum is about 434 ft (132.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft (0.213 m) above land-surface datum.
PERIOD OF RECORD.--April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.50 ft (16.612 m) below land-surface datum, May 24, 1980; lowest measured 68.00 ft (20.726 m) below land-surface datum, Sept. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 28	66.50	MAR 13	66.93	MAY 9	67.5	JUN 27	67.56	AUG 7	67.70	SEP 25	68.00
DEC 26	66.46	APR 9	68.0	MAY 29	67.32	JUL 17	67.67	SEP 4	67.89		

LINCOLN COUNTY--Continued

313504090261401. Local number, H10.
LOCATION.--Lat 31°35'04", long 90°26'14", Hydrologic Unit 03180005, SW¼SE¼ sec.7, T.7 N., R.8 E., 0.5 mi (0.8 km) north of center of Brookhaven at Second Street and Enterprise Street.
Owner: Brookhaven Creamery.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 165 ft (50.3 m), cased to 115 ft (35.1 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--1969, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.54 ft (18.453 m) below land-surface datum, Oct. 11, 1978; lowest measured, 72 ft (21.9 m) below land-surface datum, January 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 6	65.67

LOWNDES COUNTY

333845088275404. Local number, A14.
LOCATION.--Lat 33°38'45", long 88°27'54", Hydrologic Unit 03160101, NE¼SW¼ sec.19, T.16 S., R.18 W., 11 mi (18 km) northwest of center of Columbus on west side of U.S. Highway 45 at Columbus Air Base.
Owner: Columbus Air Base.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 456 ft (139.0 m), screened 426-456 ft (129.8-139.0 m).
DATUM.--Land-surface datum is about 188 ft (57.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--July 1973, 1975.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft (3.097 m) below land-surface datum, Jan. 28, 1975; lowest measured, 28.86 ft (8.796 m) below land-surface datum, Apr. 1, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	21.64

333306088255601. Local number, C29.
LOCATION.--Lat 33°33'06", long 88°25'56", Hydrologic Unit 03160101, SW¼SW¼ sec.28, T.17 S., R.18 W., 5 mi (8 km) north of center of Columbus on east side of U.S. Highway 45.
Owner: S. L. Thomason.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 200 ft (61.0 m).
DATUM.--Land-surface datum is about 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--March 1959 to April 1965, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft (5.182 m) below land-surface datum, July 29, 1959; lowest measured, 36.90 ft (11.247 m) below land-surface datum, Apr. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	36.14

333703088244801. Local number, C30.
LOCATION.--Lat 33°37'03", long 88°24'48", Hydrologic Unit 03160101, SE¼NW¼ sec.3, T.17 S., R.18 W., 10 mi (16 km) north of center of Columbus on east side of U.S. Highway 45.
Owner: T. S. Hodges.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 380 ft (115.8 m).
DATUM.--Land-surface datum is about 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--March 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.53 ft (1.990 m) below land-surface datum, Mar. 13, 1959; lowest measured, 17.82 ft (5.432 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	16.21

332838088393401. Local number, E5.
LOCATION.--Lat 33°28'38", long 88°39'34", Hydrologic Unit 03160104, NW¼NE¼ sec.31, T.19 N., R.16 E., 1.2 mi (1.9 km) southwest of center of Mayhew and 0.1 mi (0.2 km) southwest of intersection of U.S. Highways 45W and 82.
Owner: A. L. Echols.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 5 in (127 mm), depth 365 ft (111.3 m), cased to 40 ft (12.2 m).
DATUM.--Land-surface datum is about 226 ft (68.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--November 1957 to April 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.45 ft (12.939 m) below land-surface datum, Apr. 29, 1958; lowest measured, 97.47 ft (29.715 m) below land-surface datum, Apr. 12, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 12	97.49

332945088225601. Local number, G33.
LOCATION.--Lat 33°29'45", long 88°22'56", Hydrologic Unit 03160105, NE¼SE¼ sec.14, T.18 S., R.18 W., 2 mi (3 km) east of center of Columbus at Propst Park on U.S. Highway 82.
Owner: American Legion Post.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 480 ft (146.3 m).
DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 6.30 ft (1.920 m) above land-surface datum.
PERIOD OF RECORD.--April 1960 to April 1972, April 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.90 ft (3.932 m) above land-surface datum, Apr. 10, 1962; lowest measured, 8.38 ft (2.554 m) below land-surface datum, May 3, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	6.93

333052088234101. Local number, G185.
LOCATION.--Lat 33°30'52", long 88°23'41", Hydrologic Unit 03160105, SW¼ sec.11, T.18 S., R.18 W., 2.3 mi (3.7 km) northeast of center of Columbus at city water treatment plant.
Owner: City of Columbus.
AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 878 ft (267.6 m).
DATUM.--Land-surface datum is about 178 ft (54.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at faucet, 2.50 ft (0.762 m) above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--March 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.30 ft (5.578 m) above land-surface datum, Mar. 28, 1977; lowest water level measured 11.1 ft (3.383 m) below land-surface datum, Aug. 24, 1982.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	7.40	JAN 26	8.45	APR 9	8.68	JUN 8	9.60
DEC 15	8.25	MAR 9	8.90	APR 20	9.20	AUG 24	11.1

332517088235601. Local number, L22.
LOCATION.--Lat 33°25'17", long 88°23'56", Hydrologic Unit 03160106, SE¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) southeast of center of Columbus near east bank of Tombigbee River.
Owner: Hooker Chemical Company.
AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,190 ft (362.7 m).
DATUM.--Land-surface datum is about 178 ft (54.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (25 mm) bushing (since Apr. 13, 1976), 1.80 ft (0.548 m) above land-surface datum.
PERIOD OF RECORD.--May 1960 to October 1965, April 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.69 m) above land-surface datum, Apr. 12, 1961, lowest measured, 30.47 ft (9.287 m) below land-surface datum, Apr. 9, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	30.47

LOWNDES COUNTY--Continued

332508088235409. Local number, L34.
LOCATION.--Lat 33°25'08", long 88°23'54", Hydrologic Unit 03160105, NW¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) south of center of Columbus near east bank of Tombigbee River.
Owner: Hooker Chemical Company.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 583 ft (177.7 m), reported screened 533-583 ft (162.5-177.7 m).
DATUM.--Land-surface datum is about 180 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: Air breather in pump base 2.50 ft (0.762 m) above land-surface datum.
REMARKS.--Water level effected by nearby pumping.
PERIOD OF RECORD.--July 1958, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft (19.2 m) below land-surface datum, Sept. 14, 1958; lowest measured 108.80 ft (33.162 m) below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	74.77

332142088380101. Local number, N29.
LOCATION.--Lat 33°21'42", long 88°38'01", Hydrologic Unit 03160106, SW¼SW¼ sec.4, T.17 N., R.16 E., 3 mi (5 km) south of Artesia and east of U.S. Highway 45.
Owner: United Cement Company.
AQUIFER.--Sand of Tombigbee Member of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 570 ft (173.7 m), cased to 240 ft (73.2 m), open hole.
DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.80 ft (38.953 m) below land-surface datum, Oct. 5, 1978; lowest measured, 140.60 ft (42.855 m) below land-surface datum, Apr. 9, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	140.60

MADISON COUNTY

322413090101701. Local number, V13.
LOCATION.--Lat 32°24'13", long 90°10'17", Hydrologic Unit 03180002, NE¼SE¼ sec.35, T.7 N., R.1 E., 0.1 mi (0.2 km) west of center of Tougaloo at Tougaloo College.
Owner: Tougaloo College.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 800 ft (243.8 m).
DATUM.-Land-surface datum is about 380 ft (115.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Middle of tee, 3.65 ft (1.11 m) above land-surface datum.
PERIOD OF RECORD.--August 1955, November 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.43 ft (49.813 m) below land-surface datum, Aug. 18, 1955; lowest measured, 205.40 ft (62.606 m) below land-surface datum, Sept. 29, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	204.30	DEC 22	203.79	FEB 23	202.41	APR 30	201.81	JUL 22	203.56	SEP 29	205.40
NOV 25	204.37	JAN 27	203.26	MAR 23	202.31	MAY 28	202.46	AUG 26	203.78		

322627090062401. Local number, W5.
LOCATION.--Lat 32°26'27", long 90°06'24", Hydrologic Unit 03180002, NE¼NE¼ sec.20, T.7 N., R.2 E., 1 mi (2 km) southeast of center of Madison near Bruce Campbell Airport.
Owner: Willard F. Bond Home.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 500 ft (152.4 m).
DATUM.--Land-surface datum is about 320 ft (97.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 0.50 ft (0.152 m) or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.88 ft (34.406 m) below land-surface datum, Apr. 12, 1957; lowest measured, 159.16 ft (48.512 m) below land-surface datum, Oct. 23, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAR 23	156.45

MADISON COUNTY

322517090054201. Local number, W66.
LOCATION.--Lat 32°25'17", long 90°05'42", Hydrologic Unit 03180002, SW¼SE¼ sec.22, T.7 N., R.2 W., 3.5 mi (5.6 km) east of Ridgeland.
Owner: Pearl River Valley Water Supply District.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 10 in (254 mm), depth 608 ft (185.3 m).
DATUM.--Land-surface datum is about 308 ft (93.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent at pump motor base, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--April 1974, August 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 118 ft (36.0 m) below land-surface datum, Apr. 24, 1974; lowest measured, 151.72 ft (46.244 m) below land-surface datum, Oct. 28, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	151.72	DEC 22	144.57	FEB 23	142.91	APR 30	141.68	JUN 24	145.21	AUG 20	144.76
NOV 25	145.51	JAN 27	144.17	MAR 23	144.77	MAY 28	43.66	JUL 22	144.33		

MARSHALL COUNTY

344618089272801. Local number, P72.
LOCATION.--Lat 34°46'18", long 89°27'24", Hydrologic Unit 08030204, NW¼NW¼ sec.6, T.4 S., R.2 W., at Holly Springs on West Boundry Street.
Owner: Town of Holly Springs.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 718 ft (218.8 m).
DATUM.--Land-surface datum is about 510 ft (155.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.87 ft (38.975 m) below land-surface datum, Apr. 13, 1982; lowest measured, 129.65 (39.517 m) below land-surface datum, July 13, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 13	127.87

MONROE COUNTY

335917088304401. Local number, C3.
LOCATION.--Lat 33°59'17", long 88°30'44", Hydrologic Unit 03160101, NE¼SE¼ sec.26, T.12 S., R.19 W., 0.3 mi (0.5 km) northwest of center of Amory at 108th Street and 5th Avenue at waterworks.
Owner: Town of Amory.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 360 ft (109.7 m).
DATUM.--Land-surface datum is about 240 ft (73.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of ell on well head, 2.00 ft (0.609 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--October 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.40 ft (6.218 m) below land-surface datum, Apr. 26, 1973; lowest measured, 31.97 ft (9.744 m) below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 7	23.91

334836088390201. Local number, 03.
LOCATION.--Lat 33°48'36", long 88°39'02", Hydrologic Unit 03160101, NE¼NE¼ sec.3, T.15 S., R.6 E., 2 mi (3 km) northeast of center of Prairie.
Owner: John Judsen.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 451 ft (137.5 m).
DATUM.--Land-surface datum is about 315 ft (96.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--1942, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114 ft (34.7 m) below land-surface datum, 1942; lowest measured, 193.74 ft (59.052 m) below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	180.58

MONROE COUNTY--Continued

334359088391601. Local number, 016.
LOCATION.--Lat 33°43'59", long 88°39'16", Hydrologic Unit 031601104, SW¼NE¼ sec.34, T.15 S., R.6 E., at Muldon on State Highway 25.
Owner: Muldon Grain Elevator Company (Formerly M and O Railroad)
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm) depth 620 ft (189.0 m).
DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.7 ft (0.52 m) above land-surface datum.
PERIOD OF RECORD.--1901, October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.00 ft (18.288 m) below land-surface datum, 1901; lowest measured, 157.90 ft (48.128 m) below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	156.80

334836088333301. Local number, P22.
LOCATION.--Lat 33°48'36", long 88°33'33", Hydrologic Unit 03160101, NW¼NW¼ sec.3, T.15 S., R.7 E., 1 mi (2 km) southwest of center of Aberdeen on State Highway 25.
Owner: Conoco Chemicals (Formerly Monroe Mfg. Co.).
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 216 ft (65.8 m).
DATUM.--Land-surface datum is about 218 ft (66.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.60 ft (0.792 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--October 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.87 ft (10.933 m) below land-surface datum, Oct. 16, 1962; lowest measured, 112.30 ft (34.229 m) below land-surface datum, Apr. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	100.83

334147088261501. Local number, Q18.
LOCATION.--Lat 33°41'47", long 88°26'15", Hydrologic Unit 03160103, SE¼SE¼ sec.5, T.16 S., R.18 W., 3 mi (5 km) south of center of Hamilton on east side of U.S. Highway 45E.
Owner: T. G. Owen.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 390 ft (118.9 m).
DATUM.--Land-surface datum is about 216 ft (65.8 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in (13 mm) plug in top of casing, 1.20 ft (0.365 m) above land-surface datum.
PERIOD OF RECORD.--May 1964, July 1973, May 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26 ft (7.9 m) below land-surface datum, May 1964; lowest measured, 59.84 ft (18.239 m) below land-surface datum, Apr. 9, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	59.84

MONTGOMERY COUNTY

332916089432002. Local number, F2.
LOCATION.--Lat 33°29'16", long 89°43'20", Hydrologic Unit 08060201, NW¼NE¼ sec.25, T.19 N., R.5 E., 0.5 mi (0.8 km) northeast of center of Winona at waterworks.
Owner: Town of Winona.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 308 ft (93.9 m), screened 248-308 ft (75.6-93.9 m).
DATUM.--Land-surface datum is 373.14 ft (113.733 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.70 ft (0.518 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--September 1939, February 1958 to June 1972, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.70 ft (28.866 m) below land-surface datum, Apr. 19, 1959; lowest measured, 120.67 ft (36.780 m) below land-surface datum, Aug. 10, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	115.27

NEWTON COUNTY

322728089161201. Local number, E1.
LOCATION.--Lat 32°27'28", long 89°16'12", Hydrologic Unit 03180001, SW¼SW¼ sec.10, T.7 N., R.10 E., 0.8 m. (1.3 km) east of Post Office at Conehatta.
Owner: U.S. Department of Interior, Conehatta Indian School
AQUIFER.--Sparta Sand of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 351 ft (107.0 m).
DATUM.--Land-surface datum is about 515 ft (157.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 1.00 ft (0.304 m) above land surface.
PERIOD OF RECORD.--January 1959, March 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163 ft (49.7 m) below land-surface datum, Jan. 15, 1959; lowest measured 169.63 ft (51.703 m) below land-surface datum, Nov. 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 27	169.58

322722089162002. Local number, E23.
LOCATION.--Lat 32°27'22", long 89°16'20", Hydrologic Unit 031800001, NW¼NW¼ sec.15, T.7 N., R.10 E., 0.8 mi (1.3 km) east of Post Office at Conehatta.
Owner: Conehatta Indian School
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled institutional artesian well, diameter 8 in (203 mm), depth 639 ft (194.8 m).
DATUM.--Land-surface datum is about 525 ft (160.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.
PERIOD OF RECORD.--December 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 221.80 ft (67.605 m) below land-surface datum, Dec. 4, 1979; lowest measured 227.20 ft (69.251 m) below land-surface datum, Mar. 19, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAR 19	227.20

NOXUBEE COUNTY

330645088332801. Local number, H115.
LOCATION.--Lat 33°06'50", long 88°34'10", Hydrologic Unit 03160108, NW¼NW¼ sec.33, T.15 N., R.17 E., 1 mi (2 km) northwest of center of Macon on Pearl Street at railroad.
Owner: Town of Macon.
AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in (254 mm), depth 1,807 ft (550.8 m), cased to 1,767 ft (538.6 m).
DATUM.--Land-surface datum is about 185 ft (56.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/4-in (6 mm) gate valve on discharge pipe, 3.00 ft (0.914 m) above land-surface datum.
PERIOD OF RECORD.--February 1955 to October 1956, October 1958 to April 1963, April 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.2 ft (10.12 m) above land-surface datum, Feb. 3, 1955; lowest measured, 6.84 ft (2.085 m) below land-surface datum, Apr. 9, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 9	6.84

332710088471701. Local number, G102.
LOCATION.--Lat 33°27'10", long 88°47'17", Hydrologic Unit 03160104, NE¼SW¼ sec.1, T.18 N., R.14 E., 0.2 mi (0.3 km) east of center of State College at Walker Engineering Building.
Owner: Mississippi State University.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,008 ft (307.2 m), cased to 968 ft (295.0 m).
DATUM.--Land-surface datum is 380.95 ft (116.113 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.33 ft (0.710 m) above land-surface datum.
PERIOD OF RECORD.--June 1940 to July 1948, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 176.14 ft (53.687 m) below land-surface datum, Apr. 3, 1941; lowest measured, 224.26 ft (68.354 m) below land-surface datum, Apr. 12, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 12	224.26

PERRY COUNTY

310956088552101. Local number, M11.

LOCATION.--Lat 31°09'56", long 88°55'21", Hydrologic Unit 03170005, SW¼SW¼ sec.5, T.2 N., R.9 W., near center of Beaumont on third street.
Owner: Town of Beaumont.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply (standby) well, diameter 11 in (279 mm), depth 666 ft (203.0 m), reported screened 626-666 ft (190.8-203.0 m).

DATUM.--Land-surface datum is about 95 ft (29.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Faucet near pump base, 2.50 ft (0.762 m) above land-surface datum.

PERIOD OF RECORD.--August 1965, January 1976, June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft (10.70 m) above land-surface datum, Aug. 1, 1965; lowest measured 23.0 ft (7.01 m) above land-surface datum, Mar. 20, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
DEC 22	27.6

PIKE COUNTY

310833090272801. Local number, G2.

LOCATION.--Lat 31°08'33", long 90°27'28", Hydrologic Unit 08070205, NW¼NW¼ sec.13, T.2 N., R.7 E., 0.1 mi (0.2 km) west of center of Magnolia and west of City Hall.
Owner: Town of Magnolia.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 432 ft (131.7 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--1967, February 1970, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.00 ft (1.219 m) below land-surface datum, 1967; lowest measured, 18.45 ft (5.624 m) below land-surface datum, Feb. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
JUN 2	15.18

PRENTISS COUNTY

343921088334101. Local number, F2.

LOCATION.--Lat 34°39'21", long 88°33'41", Hydrologic Unit 08010207, SE¼SE¼ sec.9, T.5 S., R.7 E., 0.1 mi (0.2 km) north of center of Booneville at Court Street and Main Street.
Owner: Town of Booneville.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 491 ft (149.7 m), cased to 406 ft (123.7 m).

DATUM.--Land-surface datum is about 525 ft (160.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent on south side of pump base, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--July 1950, May 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183 ft (55.8 m) below land-surface datum, July 1950; lowest measured, 208.16 ft (63.447 m) below land-surface datum, Apr. 13, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 13	208.16

343142088384401. Local number, J84.

LOCATION.--Lat 34°31'42", long 88°38'44", Hydrologic Unit 03160101, SE¼NE¼ sec.26, T.6 S., R.6 E., 1.7 mi (2.7 km) north of center of Baldwyn on west side of U.S. Highway 45.
Owner: Baldwyn Implement Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 440 ft (134.1 m), cased to 158 ft (48.2 m).

DATUM.--Land-surface datum is about 345 ft (105.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.50 ft (0.457 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.50 ft (8.992 m) below land-surface datum, July 25, 1973; lowest measured, 50.96 ft (15.533 m) below land-surface datum, Apr. 13, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	50.12	APR 13	50.96

RANKIN COUNTY

322249089582101. Local number, G43.

LOCATION.--Lat 32°22'49", long 89°58'21", Hydrologic Unit 03180002, SW¼NW¼ sec.10, T.6 N., R.3 E., 7.4 mi (12 km) north of Brandon on Spillway road.
Owner: Pearl River Valley Water Supply District.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in (407 mm), depth 1,190 ft (362.7 m).

DATUM.--Land-surface datum is about 320 ft (97.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent at pump motor base, 1.70 ft (0.518 m) above land-surface datum.

PERIOD OF RECORD.--November 1980, August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft (47.2 m) below land-surface datum, Nov. 9, 1980; lowest measured, 170.88 ft (52.084 m) below land-surface datum, Jan. 27, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	164.98	FEB 23	164.17	APR 30	160.39	AUG 20	162.89
JAN 27	170.88	MAR 23	160.71	JUL 22	161.82		

321846089475101. Local number, J110.

LOCATION.--Lat 32°18'46", long 89°47'51", Hydrologic Unit 03180002, SW¼SW¼ sec.33, T.6 N., R.5 E., 0.2 mi (0.3 km) east of center of Pelahatchie at Fire Station.
Owner: Town of Pelahatchie.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 563 ft (171.6 m), screened 503-563 ft (153.3-171.6 m).

DATUM.--Land-surface datum is about 365 ft (111.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in cover plate, at land-surface datum.

PERIOD OF RECORD.--July 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft (30.974 m) below land-surface datum, Apr. 9, 1956; lowest measured, 131.96 ft (40.221 m) below land-surface datum, Jan. 22, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	121.55	APR 22	122.03

SCOTT COUNTY

322148089283201. Local number, L1.

LOCATION.--Lat 32°21'48", long 89°28'32", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.1 mi (0.2 km) west of center of Forest at Wade Street and Walker Street.
Owner: Town of Forest.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 360 ft (109.7 m), cased to 280 ft (85.3 m).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, [illegible].00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.94 ft (29.547 m) below land-surface datum, Apr. 22, 1982; lowest measured, 145.4 ft (44.32 m) below land-surface datum, Apr. 28, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	102.40	APR 22	96.94

322202089290502. Local number, L13.

LOCATION.--Lat 32°22'02", long 89°29'05", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.7 mi (1.1 km) west of center of Forrest at George Street and Cleveland Street.
Owner: Town of Forest

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 721 ft (219.8).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--November 1964, November 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 193 ft (58.8 m) below land-surface datum, November 1964; lowest measured, 217.65 ft (66.339 m) below land-surface datum, Apr. 22, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 22	217.65

SCOTT COUNTY--Continued

322147089305801. Local number, L39.
LOCATION.--Lat 32°21'47", long 89°30'58", Hydrologic Unit 03180001, SW¼NE¼ sec.18, T.6 N., R.8 E., 2.2 mi (3.5 km) west of Forest on U.S. Highway 80.
Owner: Manville Forest Products.
AQUIFER.--Meridian Sand Member of Tallahatchie Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-6 in (254-152 mm), depth 1310 ft (399.3 m).
DATUM.--Land-surface datum is about 475 ft (144.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (190 mm) air vent, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--November 1973, November 1979, April 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 184 ft (56.1 m) below land-surface datum, Nov. 15, 1973; lowest measured 222.07 ft (67.687 m) below land-surface datum, Apr. 22, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 22	222.07

SHARKEY COUNTY

325839090501601. Local number, C43.
LOCATION.--Lat 32°58'39", long 90°50'16", Hydrologic Unit 08030209, sec.17, T.13 N., R.6 W., 0.6 mi (1.0 km) northwest of center of Anguilla on west side of Deer Creek.
Owner: M. C. Ewing.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 1,830 ft (557.8 m), cased to 1,790 ft (545.6 m).
DATUM.--Land-surface datum is about 106 ft (32.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, 2.00 ft (0.609 m) or top of faucet at road, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--October 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.0 ft (30.48 m) above land-surface datum, July 23, 1973; lowest measured, 85.5 ft (26.06 m) above land-surface datum, Apr. 21, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	85.5

324749090553101. Local number, G44.
LOCATION.--Lat 32°47'49", long 90°55'31", Hydrologic Unit 08030209, NE¼NW¼ sec.16, T.11 N., R.7 W., 0.3 mi (0.5 km) south of center of Cary on east side of U.S. Highway 61.
Owner: Cary High School.
AQUIFER.--Sparta Sand of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,149 ft (350.2 m).
DATUM.--Land-surface datum is about 102 ft (31.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--February 1939, September 1960, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.9 ft (7.285 m) above land-surface datum, Feb. 10, 1939; lowest measured, 23.09 ft (7.037 m) below land-surface datum, Sept. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 15	22.71

SIMPSON COUNTY

315256089392401. Local number, L1.
LOCATION.--Lat 31°52'56", long 89°39'24", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi (6 km) east of center of Magee off Highway 28.
Owner: Okatoma Water Association.
AQUIFER.--Sparta Sand of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 1,620 ft (493.8 m).
DATUM.--Land-surface datum is about 530 ft (161.5 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 2.5 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--January 1969, September 1971, July 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 302 ft (92.0 m) below land-surface datum, Jan. 31, 1969; lowest water level measured 333.35 ft (101.605 m) below land-surface datum, June 4, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
JUN 4	333.35

SIMPSON COUNTY--Continued

315258089392201. Local number, L13.
LOCATION.--Lat 31°52'58" long 89°39'22", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi (6 km) east of center of Magee off Highway 28.
Owner: Okatoma Water Association.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled public-supply water-table well, diameter 18 in (457 mm), depth 200 ft (61.0 m), reported screened 150 to 200 ft (45.7-61.0 m).
DATUM.--Land-surface datum is about 515 ft (157.0 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of breather, 2.50 ft (0.762 m) above land-surface datum.
PERIOD OF RECORD.--May 1972, May 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.25 ft (31.166 m) below land-surface datum, Apr. 17, 1980; lowest measured 110 ft (33.5 m) below land-surface datum, May 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
DEC 9	107.10

SUNFLOWER COUNTY

334017090301801. Local number, H18.
LOCATION.--Lat 33°40'17", long 90°30'18", Hydrologic Unit 08030207, SE¼NE¼ sec.21, T.21 N., R.3 W., 1.5 mi (2.4 km) northeast of center of Doddsville on county road.
Owner: B. D. McCarty.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 1,370 ft (417.6 m).
DATUM.--Land-surface datum is about 125 ft (38.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft (4.57 m) above land-surface datum, Apr. 14, 1971; lowest measured, 0.88 ft (0.268 m) below land-surface datum, Feb. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
FEB 22	0.81

332505090293001. Local number, R21.
LOCATION.--Lat 33°25'05", long 90°29'30", Hydrologic Unit 08030207, NW¼SW¼ sec.22, T.18 N., R.3 W., 2.5 mi (4.0 km) southeast of center of Moorehead on county road.
Owner: Edgar Hobbs.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in (76 mm), depth 1,547 ft (471.5 m).
DATUM.--Land-surface datum is about 110 ft (34.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--November 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.5 ft (12.65 m) above land-surface datum, Feb. 10, 1970; lowest measured, 15.0 ft (4.57 m) above land-surface datum, Apr. 21, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	15.0

TATE COUNTY

343723089592801. Local number, F22.
LOCATION.--Lat 34°37'23", long 89°59'28", Hydrologic Unit 08030204, SE¼SE¼ sec.25, T.5 S., R.8 W., 1.2 mi (1.9 km) southeast of center of Senatobia at stand tank on Browns Ferry Road.
Owner: Town of Senatobia.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 5 in (127 mm), depth 1,085 ft (330.7 m), cased to 1,065 ft (324.6 m).
DATUM.--Land-surface datum is about 340 ft (103.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.400 m) above land-surface datum.
PERIOD OF RECORD.--October 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 135.18 ft (41.203 m) below land-surface datum, May 23, 1973; lowest measured, 155.32 ft (47.342 m) below land-surface datum, May 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAY 11	155.32

TATE COUNTY--Continued

343811089580401. Local number, G37a.

LOCATION.--Lat 34°38'11", long 89°58'04", Hydrologic Unit 08030204, NW¼SW¼ sec.20, T.5 S., R.7 W., 1 mi (2 km) north of center of Senatobia at Chromcraft Plant.
Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,180 ft (359.7 m), cased to 1,160 ft (353.6 m).

DATUM.--Land-surface datum is about 250 ft (76.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.20 ft (0.670 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.84 ft (16.106 m) below land-surface datum, June 6, 1973; lowest measured, 94.59 ft (28.831 m) below land-surface datum, June 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
MAY 11	59.37

TIPPAH COUNTY

345658088534101. Local number, B8.

LOCATION.--Lat 34°56'58", long 88°53'41", Hydrologic Unit 08010207, SE¼ sec.32, T.1 S., R.4 E., 0.2 mi (0.3 km) north of center of Walnut at swimming pool and elevated tank.
Owner: Town of Walnut.

AQUIFER.--Sand of McNairy Sand Member of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 147 ft (44.8 m), cased to 137 ft (41.8 m).

DATUM.--Land-surface datum is about 470 ft (143.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.70 ft (18.806 m) below land-surface datum, Feb. 24, 1975; lowest measured, 67.23 ft (20.492 m) below land-surface datum, Apr. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 13	63.33

TISHOMINGO COUNTY

345802088144901. Local number, B18.

LOCATION.--Lat 34°58'02", long 88°14'49", Hydrologic Unit 06030005, SW¼NE¼ sec.28, T.1 S., R.10 E., 2.8 mi (4.5 km) north of center of Cross Roads on west side of State Highway 25.
Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 378 ft (115.2 m), cased to 147 ft (44.8 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.31 ft (29.965 m) below land-surface datum, Mar. 11, 1980; lowest measured, 101.54 ft (30.949 m) below land-surface datum, Apr. 14, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 14	101.54

345603088170601. Local number, B19.

LOCATION.--Lat 34°56'03", long 88°17'06", Hydrologic Unit 06030005, NE¼SW¼ sec.6, T.2 S., R.10 E., 2 mi (3 km) northwest of center of Cross Roads.
Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 266 ft (81.1 m), cased to 90 ft (27.4 m).

DATUM.--Land-surface datum is about 467 ft (142.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--September 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.60 ft (3.840 m) below land-surface datum, Apr. 12, 1978; lowest measured, 15.00 ft (4.572 m) below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	14.34	APR 14	14.39

TISHOMINGO COUNTY--Continued

345703088145601. Local number, B21.

LOCATION.--Lat 34°57'03", long 88°14'56", Hydrologic Unit 06030005, SW¼NE¼ sec.33, T.1 S., R.10 E., 1.5 mi (2.4 km) north of center of Cross Roads on State Highway 25.
Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 349 ft (106.4 m), cased to 76 ft (23.2 m).

DATUM.--Land-surface datum is about 455 ft (138.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft (0.021 m) above land-surface datum, Apr. 10, 1979; lowest measured, 7.75 ft (2.362 m) below land-surface datum, Apr. 14, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	5.84	APR 14	7.75

344834088111601. Local number, F1.

LOCATION.--Lat 34°48'34", long 88°11'16", Hydrologic Unit 06030005, NW¼NW¼ sec.19, T.3 S., R.11 E., 0.1 mi (0.2 km) east of center of Iuka.
Owner: H. M. Biggs.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 113 ft (34.4 m), cased to 105 ft (32.0 m).

DATUM.--Land-surface datum is about 545 ft (166.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--1956, April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft (9.51 m) below land-surface datum, Apr. 1, 1974; lowest measured, 65.1 ft (19.84 m) below land-surface datum, Jan. 18, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	42.10	APR 14	39.01	MAY 25	38.74

343936088161901. Local number, J10.

LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., 0.2 mi (0.3 km) south of center of Paden at Murphy Street and Lennon Avenue.
Owner: Irwin Schwabe Company.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 181 ft (55.2 m).

DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) nipple at well head (since Mar. 17, 1976), 2.80 ft (0.853 m), or top of cap 1.7 ft (0.51 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--July 1971 to February 1972, March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft (5.852 m) above land-surface datum, Mar. 13, 1974; lowest measured, 2.77 ft (0.844 m) below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	2.77	FEB 11	1.85	APR 14	1.35	AUG 25	1.36

TUNICA COUNTY

344540090230801. Local number, D29.
LOCATION.--Lat 34°45'40", long 90°23'08", Hydrologic Unit 08030204, SW¼SE¼ sec.5, T.4 S., R.11 W., 5 mi (8 km) north of center of Tunica.
Owner: Jack Day Perry.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth 125 ft (38.1 m).
DATUM.--Land-surface datum is about 188 ft (57.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.40 ft (0.426 m) above land-surface datum.
REMARKS.--Water level affected by seasonal pumping.
PERIOD OF RECORD.--July 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.48 ft (4.718 m) above land-surface datum, Sept. 15, 1981; lowest measured 16.59 ft (5.057 m) below land-surface datum, Jan. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.22	16.03	15.29	16.46	15.00	---	---	---				
10	15.26	16.08	15.30	16.49	15.03	---	---	---				
15	15.31	16.13	15.34	16.52	---	14.95	15.24	14.72				
20	15.35	16.17	15.40	16.57	---	---	---	---				
25	15.37	16.21	16.51	15.25	---	---	---	---				
EOM	15.22	16.25	15.43	16.27	---	---	---	---				

UNION COUNTY

343200089045901. Local number, B6.
LOCATION.--Lat 34°32'00", 89°04'59", Hydrologic Unit 08030201, SE¼NW¼ sec.27, T.6 S., R.2 E., 5 mi (8 km) northwest of New Albany on north side of U.S. Highway 78.
Owner: Futorian Furniture Corp. (Frame plant).
AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled industrial (fire protection) artesian well, diameter 6 in (152 mm), depth 500 ft (152.4 m).
DATUM.--Land-surface datum is about 385 ft (117.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing below pump base, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--1955, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 25 ft (7.6 m) below land-surface datum, 1955; lowest water level measured, 71.20 ft (21.702 m) below land-surface datum, July 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
JUL 1	67.80

343418088484901. Local number, E72.
LOCATION.--Lat 34°34'18", long 88°48'49", Hydrologic Unit 08010207, NW¼SE¼ sec.7, T.6 S., R.5 W., 6 mi (10 km) north of Mississippi State Highway 30.
Owner: Keownville Water Association.
AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 312 ft (95.1 m), cased to 696 ft (212.1 m).
DATUM.--Land-surface datum is about 680 ft (207.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in top of casing, 1.00 ft (0.304 m) above land-surface datum.
REMARKS.--Water levels effected by nearby pumping.
PERIOD OF RECORD.--July 1972, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 340 ft (103.6 m) below land-surface datum, July 5, 1972; lowest measured 451.50 ft (137.617 m) below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 13	374.40

WARREN COUNTY

322310090530202. Local number, J4.
LOCATION.--Lat 32°23'10", long 90°53'02", Hydrologic Unit 08030208, SW¼SW¼ sec.2, T.16 N., R.3 E., 2.5 mi (4.0 km) northwest of center of Vicksburg on north side of Industrial Road.
Owner: City of Vicksburg.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (254 mm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).
REMARKS.--Water level affected by nearby pumping.
DATUM.--Land-surface datum is about 90 ft (27.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder house floor, 17.26 ft (5.260 m) above land-surface datum.
PERIOD OF RECORD.--October 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.183 m) below land-surface datum, Apr. 17, 1975; lowest measured, 53.98 ft (16.453 m) below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	36.40	DEC 4	40.91	FEB 18	44.10	APR 15	34.94	MAY 27	31.54	AUG 6	33.20
OCT 29	44.89	JAN 22	42.47	MAR 10	35.79	MAY 13	38.06	JUL 1	29.11	SEP 20	35.51

WASHINGTON COUNTY

332432091031501. Local number, D16.
LOCATION.--Lat 33°24'32", long 91°03'15", Hydrologic Unit 08030209, Irregular sec.4, T.18 N., R.8 W., 0.2 mi (0.3 km) northeast of center of Greenville at Alexander Street and Illinois Central Railroad.
Owner: Itzig Company.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 517 ft (157.6 m).
DATUM.--Land-surface datum is about 125 ft (38.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft (0.914 m) above land-surface datum.
PERIOD OF RECORD.--November 1960, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.72 ft (24.298 m) below land-surface datum, Apr. 15, 1980; lowest measured, 107.87 ft (32.879 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	96.65

332228091045402. Local number, D33b.
LOCATION.--Lat 33°22'28", long 91°04'54", Hydrologic Unit 08030209, Irregular sec.10, T.18 N., R.9 W., 4 mi (6 km) southwest of center of Greenville in industrial park on Theobold Street.
Owner: U.S. Geological Survey.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,994 ft (607.8 m), cased to 1,984 ft (604.7 m).
DATUM.--Land-surface datum is 125.07 ft (38.121 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve on cap on well, 2.62 ft (0.800 m) above land-surface datum.
PERIOD OF RECORD.--June 1969 to April 1972, June 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.82 ft (15.795 m) above land-surface datum, Apr. 14, 1970; lowest measured, 34.62 ft (10.552 m) above land-surface datum, June 5, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	35.6

332007090525401. Local number, H14.
LOCATION.--Lat 33°20'07", long 90°52'54", Hydrologic Unit 08030209, NW¼SW¼ sec.12, T.17 N., R.7 W., 5 mi (8 km) south of center of Leland and east of Deer Creek.
Owner: Louis Munn.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (254 mm), depth 102 ft (31.1 m), cased to 72 ft (21.9 m).
DATUM.--Land-surface datum is about 115 ft (35.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.
PERIOD OF RECORD.--March 1956 to October 1963, January 1965 to October 1966, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.86 ft (3.615 m) below land-surface datum, Oct. 14, 1958; lowest measured, 26.25 ft (8.001 m) below land-surface datum, June 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			---	24.96	24.87	24.64	---					---
10			24.97	24.95	24.86	24.63	---					---
15			24.98	24.92	24.83	24.61	24.22					23.23
20			24.99	24.90	24.76	24.57	---					---
25			24.99	24.88	24.70	24.83	---					---
EOM			24.99	24.87	24.68	---	---					---

WASHINGTON COUNTY--Continued

331808090532901. Local number, H101.
LOCATION.--Lat 33°18'08", long 90°53'29", Hydrologic Unit 08030209, SW¼SE¼ sec.23, T.17 N., R.7 W., 0.1 mi (0.2 km) southwest of center of Wilmot.
Owner: J. A. Aldridge.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,903 ft (580.0 m), cased to 1,895 ft (577.6 m).
DATUM.--Land-surface datum is about 120 ft (36.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, 0.80 ft (0.240 m) above land-surface datum.
PERIOD OF RECORD.--February 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.5 ft (16.31 m) above land-surface datum, Dec. 20, 1954; lowest measured, 8.0 ft (2.44 m) above land-surface datum, Nov. 15, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	8.75

331120090413001. Local number, M44.
LOCATION.--Lat 33°11'20", long 90°41'30", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.16 N., R.5 W., 11 mi (18 km) east of center of Hollandale on State Highway 12 at Sunflower River.
Owner: Dave Jones.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth reported 110 ft (33.5 m).
DATUM.--Land-surface datum is about 105 ft (32.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.20 ft (0.366 m) above land-surface datum.
PERIOD OF RECORD.--May 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft (4.962 m) below land-surface datum, Apr. 25, 1975; lowest measured, 27.33 ft (8.330 m) below land-surface datum, Apr. 16, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 16	27.33

330227090592001. Local number, S4.
LOCATION.--Lat 33°02'27", long 90°59'20", Hydrologic Unit 08030209, SW¼SE¼ sec.28, T.14 N., R.8 W., 1.2 mi (1.9 km) northeast of center of Hampton on south side of State Highway 436.
Owner: Agricultural Chemical Corp.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in (305 mm), depth 105 ft (32.0 m), screened 80-105 ft (24.4-32.0 m).
DATUM.--Land-surface datum is 111.24 ft (33.906 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.95 ft (0.594 m) above land-surface datum.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.8 ft (1.77 m) below land-surface datum, May 13, 1958; lowest measured, 20.00 ft (6.096 m) below land-surface datum, Aug. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.78	16.00	16.43	15.03		---	---	13.00	15.43	15.32	16.31	15.63
10	15.99	16.12	---	15.14		---	---	14.33	16.20	15.36	15.93	15.70
15	---	16.22	---	---		---	---	13.90	16.25	15.71	16.13	14.30
20	---	16.38	---	---		---	12.99	14.75	15.88	15.67	15.36	14.41
25	---	16.55	---	---		13.32	12.49	14.38	15.80	16.13	15.36	14.47
EOM	15.97	16.40	---	---		---	12.73	14.39	14.13	16.21	15.65	14.77

WAYNE COUNTY

314115088392301. Local number, N151.
LOCATION.--Lat 31°41'15", long 88°39'23", Hydrologic Unit 03170002, NE¼SE¼ sec.2, T.8 N., R.7 W., 1 mi (2 km) northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.
Owner: Town of Waynesboro.
AQUIFER.--Sand of Vicksburg Group of Oligocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-8 in (457-203 mm), depth 82 ft (25.0 m), cased to 32 ft (10 m).
DATUM.--Land-surface datum is about 180 ft (54.9 m) National Geodetic Vertical Datum of 1929. Measuring point: 1-in (25 mm) hole in breather pipe inside recorder shelter, 2.30 ft (0.701 m) above land-surface datum.
PERIOD OF RECORD.--April 1973, February 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.72 ft (8.449 m) below land-surface datum, Mar. 23, 1976; lowest measured, 35.73 ft (10.890 m) below land-surface datum, Feb. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.21	31.29	31.22	31.00	31.36	29.65						
10	32.16	31.24	31.12	31.15	30.94	29.56						
15	32.04	31.14	31.03	32.35	30.71	29.27						
20	32.03	31.15	31.44	32.60	30.35	---						
25	31.37	31.03	31.58	32.21	30.12	---						
EOM	31.53	30.99	31.15	31.78	30.05	---						

WEBSTER COUNTY

332425089212001. Local number, M25.
LOCATION.--Lat 33°24'25", long 89°21'20", Hydrologic Unit 08060201, SW¼NW¼ sec.28, T.19 N., R.9 E., north side of U.S. Highway 82, 0.2 mi (0.32 km) east of Tomnolem.
Owner: Town of Tomnolem.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled public-supply well, diameter 10 in (254 mm), depth 359 ft (109.4 m).
DATUM.--Land-surface datum is about 350 ft (106.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pump base, 1.80 ft (0.548 m) above land-surface datum.
PERIOD OF RECORD.--December 1970, July 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.0 ft (1.22 m) below land-surface datum, Dec. 30, 1970; lowest water level measured, 32.18 ft (9.809 m) below land-surface datum, Apr. 12, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 12	32.18

WILKINSON COUNTY

310415091042201. Local number, T101.
LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (2 km) southwest of center of Centreville on State Highway 33.
Owner: J. P. Kennedy. Old Camp Van Dorn.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 222 ft (67.7 m), screened 162-222 ft (49.4-67.7 m), cased to 162 ft (48.7 m).
DATUM.--Land-surface datum is 353.5 ft (107.75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.20 ft (0.365 m) above land-surface datum.
PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft (13.11 m) below land-surface datum, May 5, 1942; lowest measured, 52.22 ft (15.917 m) below land-surface datum, Dec. 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
NOV 4	50.90

310415091042202. Local number, T102.
LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (2 km) southwest of center of Centreville on State Highway 33.
Owner: J. P. Kennedy. Old Camp Van Dorn.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 415 ft (126.5 m), screened 355-415 ft (108.2-126.5 m), cased to 355 ft (108.2 m).
DATUM.--Land-surface datum is 355.1 ft (108.23 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.48 ft (0.451 m) above land-surface datum.
PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.4 ft (39.14 m) below land-surface datum, May 5, 1942; lowest measured, 167.27 ft (50.984 m) below land-surface datum, June 18, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
NOV 4	165.95

310415091042203. Local number, T103.

LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (2 km) southwest of center of Centreville on State Highway 33.
Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,685 ft (513.6 m), screened 1,625-1,685 ft (495.3-513.6 m), cased to 1,625 ft (495.3 m).

DATUM.--Land-surface datum is 356.4 ft (108.63 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.40 ft (0.426 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, February 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 238.1 ft (72.57 m) below land-surface datum, May 13, 1942; lowest measured, 277.70 ft (84.643 m) below land-surface datum, Nov. 4, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
NOV 4	277.70

YAZOO COUNTY

325905090192202. Local number, B102.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across street from post office.
Owner: Town of Eden.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 800 ft (243.8 m), cased to 770 ft (234.7 m).

DATUM.--Land-surface datum is 112.3 ft (34.22 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft (9.615 m) above land-surface datum.

PERIOD OF RECORD.--1919, February 1939, April 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.7 ft (12.10 m) above land-surface datum, 1919; lowest measured, 19.29 ft (5.879 m) below land-surface datum, Apr. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 20	17.13

325905090192201. Local number, B103.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across from Baptist church.
Owner: Town of Eden.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 4-2.5 in (102-64 mm), depth 1,735 ft (528.8 m), screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft (505.7-508.7, 514.8-517.9, 519.7-522.7 m).

DATUM.--Land-surface datum is about 112 ft (34.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.2 ft (43.65 m) above land-surface datum, January 1954; lowest measured, 88.5 ft (26.97 m) above land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 20	93.0

325100090250701. Local number, G6.

LOCATION.--Lat 32°51'00", long 90°25'07", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.
Owner: Yazoo City.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16-12 in (406-305 mm), depth 212 ft (64.6 m), cased to 152 ft (46.3 m).

DATUM.--Land-surface datum is about 100 ft (30.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing or top of recorder house floor, 5.60 ft (1.706 m) above land-surface datum.

PERIOD OF RECORD.--September 1940, November 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft (5.303 m) below land-surface datum, Nov. 10, 1975; lowest measured, 35.68 ft (10.875 m) below land-surface datum, Apr. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---			---	---	---	---	25.40	---	25.04	24.29	24.17
10	34.65			24.24	22.40	---	---	---	---	---	24.43	24.31
15	---			---	---	---	---	---	---	---	24.30	24.45
20	---			---	---	---	32.28	---	24.42	---	24.26	24.16
25	---			---	---	21.81	---	---	---	---	24.35	23.95
EOM	---			---	---	---	---	---	---	24.32	24.01	34.71

325016090251601. Local number, G126.

LOCATION.--Lat 32°50'16", long 90°25'16", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.
Owner: Yazoo City.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 801 ft (244.1 m), cased to 761 ft (232.0 m).

DATUM.--Land-surface datum is about 96 ft (29.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.0 ft (1.22 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1939, January 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.1 ft (9.48 m) above land-surface datum, Jan. 17, 1939; lowest measured, 37.73 ft (11.500 m) below land-surface datum, Aug. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	23.09	NOV 20	23.19	JAN 8	32.98	FEB 12	32.72	APR 21	32.95

324850090412801. Local number, J12.

LOCATION.--Lat 32°48'50", long 90°41'28", Hydrologic Unit 08030207, NE¼SE¼ sec.10, T.11 N., R.5 W., 0.9 mi (1.4 km) east of Holly Bluff.
Owner: USCE, L7Y1.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in (102 mm), depth 59 ft (18.0 m).

DATUM.--Land-surface datum is about 100 ft (30.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.02 ft (0.921 m) above land-surface datum.

REMARKS.--Water levels affected by river stage.

PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.06 ft (2.761 m) below land-surface datum, Apr. 28, 1980; lowest measured, 25.37 ft (7.733 m) below land-surface datum, Dec. 10, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.79	24.99	25.13	23.24	21.31	20.36	---	20.82	22.54	23.32	20.33	---
10	24.70	25.04	25.37	22.73	21.34	20.09	---	22.14	21.93	---	20.24	---
15	24.68	25.05	25.26	22.22	21.45	20.23	---	22.76	21.53	---	20.31	19.26
20	24.84	25.11	24.57	21.85	21.23	20.03	---	22.62	21.28	---	19.57	19.33
25	24.78	25.13	23.51	21.94	21.04	---	19.36	22.96	21.21	---	19.72	20.38
EOM	24.98	25.16	23.66	21.48	20.94	---	19.68	22.23	23.38	20.28	20.34	20.66

324615090375001. Local number, J13.

LOCATION.--Lat 32°46'15", long 90°37'50", Hydrologic Unit 08030207, SE¼NW¼ sec.19, T.11 N., R.4 W., 5.5 mi (8.8 km) southeast of center of Holly Bluff.
Owner: USCE, L7Y2.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in (102 mm), depth 74 ft (22.6 m).

DATUM.--Land-surface datum is 98.74 ft (30.096 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.11 ft (0.948 m) above land-surface datum.

REMARKS.--Water levels affected by river stage.

PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.55 ft (2.606 m) below land-surface datum, May 3, 1980; lowest measured, 25.90 ft (7.894 m) above land-surface datum, Jan. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.83	24.86	24.95	24.65	23.36	22.39	21.46	22.62		---	22.17	21.76
10	24.81	24.91	25.11	24.35	23.07	22.39	21.38	23.11		---	22.25	21.79
15	24.86	24.93	25.39	24.23	22.90	22.90	21.73	23.45		---	22.38	21.28
20	24.93	24.96	25.69	24.57	22.56	23.01	21.77	23.85		---	21.83	21.52
25	24.89	24.95	25.80	23.73	22.65	22.31	21.18	24.12		---	21.57	21.75
EOM	24.86	24.93	25.89	23.65	22.44	22.30	21.48	---		22.18	21.73	21.89

324936090423001. Local number, J128.

LOCATION.--Lat 32°49'36", long 90°42'30", Hydrologic Unit 08030207, NE¼SE¼ sec.4, T.11 N., R.5 W., 0.2 mi (0.3 km) north of center of Holly Bluff at Holly Bluff School.
Owner: Holly Bluff Consolidated School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled school-supply artesian well, diameter 4 in (102 mm), depth 980 ft (298.7 m), cased to 940 ft (286.5 m).

DATUM.--Land-surface datum is about 103 ft (31.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--August 1939, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft (11.80 m) above land-surface datum, Aug. 17, 1939; lowest measured, 20.08 ft (6.120 m) below land-surface datum, Sept. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
APR 21	18.90

324419090351201. Local number, P18.
LOCATION.--Lat 32°44'19", long 90°35'12", Hydrologic Unit 08030207, SW¼SW¼ sec.2, T.10 N., R.4 W., 5 mi (8 km) northwest of Satartia.
Owner: USCE, L7Y3.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water table well, diameter 4 in (102 mm), depth 53 ft (16.2 m).
DATUM.--Land-surface datum is 101.59 ft (30.964 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.94 ft (0.900 m) above land-surface datum.
REMARKS.--Water level affected by river stage.
PERIOD OF RECORD.--November 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.72 ft (4.791 m) below land-surface datum, May 7, 1980; lowest measured, 29.45 ft (8.976 m) below land-surface datum, July 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			---				---	26.06	27.95	29.22	25.95	25.61
10			26.59				---	26.08	27.43	29.39	26.52	26.51
15			---				---	26.35	28.42	28.99	25.53	25.60
20			---				---	26.53	28.79	28.32	26.00	25.49
25			---				25.96	27.27	28.49	29.38	26.52	25.40
EOM			---				25.99	28.71	28.74	25.53	26.40	25.35

324354090325501. Local number, Q13.
LOCATION.--Lat 32°43'54", long 90°32'55", Hydrologic Unit 08030206, center NW¼ sec.7, T.10 N., R.3 W., 4 mi (6 km) north of Satartia.
Owner: John Peaster.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth 93 ft (28.3 m).
DATUM.--Land-surface datum is about 95 ft (28.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.88 ft (0.268 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1969, May 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13 ft (3.9 mm) below land-surface datum, Aug. 1, 1969; lowest measured, 27.26 ft (8.389 m) below land-surface datum, May 6, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.12	21.91	21.49	21.42	20.92	20.45	20.37	27.07	23.36	23.33		---
10	21.68	21.72	21.39	21.39	20.84	20.31	20.34	23.79	25.69	---		---
15	21.58	21.52	21.37	21.15	20.58	20.24	21.48	24.37	25.73	---		---
20	21.55	21.62	21.36	21.17	20.60	22.19	21.58	26.28	24.56	---		---
25	21.93	21.47	21.37	21.08	20.65	22.07	21.46	24.39	27.13	---		---
EOM	23.02	21.32	21.34	21.09	20.48	20.60	22.05	23.50	24.04	---		23.25

TISHOMINGO COUNTY

344616088211801. Local number D50. (USCE 11C)
LOCATION.--Lat 34°46'16", long 88°21'18", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 404 ft (123.1 m).
DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.6 ft (0.79 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.65 ft (29.764 m) below land-surface datum, Mar. 9, 1976; lowest measured, 113.82 ft (34.692 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	110.97	FEB 11	111.48	MAY 21	110.60	AUG 26	113.82

344617088211901. Local number D51. (USCE 11D)
LOCATION.--Lat 34°46'17", long 88°21'19", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 210 ft (64 m). Cased to 200 ft (61.0 m).
DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft (0.73 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.02 ft (0.616 m) below land-surface datum, Mar. 9, 1976; lowest measured, 100.38 ft (30.596 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	92.98	FEB 11	94.22	MAY 21	94.28	AUG 26	100.38

344638088200102. Local number D40. (USCE 12A)
LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 190 ft (57.9 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 21.98 ft (6.700 m) below land-surface datum, Mar. 22, 1973; lowest measured, 98.96 ft (30.163 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	79.72	FEB 11	81.46	MAY 21	86.92	AUG 26	98.96

344638088200103. Local number D41. (USCE 12B)
LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 150 ft (45.7 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 22.29 ft (6.794 m) below land-surface datum, Mar. 22, 1973; lowest measured, 83.47 ft (25.442 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	61.44	FEB 11	65.46	May 21	73.41	AUG 26	83.47

TISHOMINGO COUNTY--Continued

344638088200104. Local number D42. (USCE 12C)
LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 88 ft (26.8 m), cased to 78 ft (23.8 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.8 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 22.39 ft (6.825 m) below land-surface datum, Mar. 22, 1973; lowest recorded, 62.41 ft (19.023 m) below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.36	49.26	49.31	52.25	51.86	50.67	48.85	53.03	57.24		---	
10	48.56	49.24	49.31	51.72	51.46	49.99	48.74	53.52	57.66		---	
15	48.79	49.26	49.79	51.72	53.36	49.75	49.30	54.14	57.52		---	
20	48.96	49.51	49.79	52.02	53.58	49.41	49.96	55.14	58.80		---	
25	48.97	49.45	50.34	51.89	53.67	49.05	50.38	54.95	---		62.41	
EOM	49.10	49.33	52.35	51.83	53.53	49.17	52.02	56.14	---		---	

344643088182102. Local number D37. (USCE 14A)
LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6 km) south of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 184 ft (56.0 m).
DATUM.--Land-surface datum is about 545 ft (166.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.59 ft (20.601 m) below land-surface datum, Apr. 25, 1973; lowest measured, 78.52 ft (23.933 m) below land-surface datum, May 19, 1981.

Obstruction. No measurement made since May 19, 1981.

344643088182103. Local number D43. (USCE 14B)
LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6 km) south of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 154 ft (46.9 m).
DATUM.--Land-surface datum is about 545 ft (166.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft (0.12 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.51 ft (20.577 m) below land-surface datum, Apr. 25, 1973; lowest measured, 86.73 ft (26.435 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	79.08	FEB 11	79.46	MAY 22	82.90	AUG 26	86.73

344643088182104. Local number D44. (USCE 14C)
LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6 km) south of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 106 ft (32.3 m), cased to 100 ft (30.5 m).
DATUM.--Land-surface datum is about 545 ft (166.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.63 ft (20.004 m) below land-surface datum, Apr. 25, 1973; lowest measured, 80.57 ft (24.558 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	74.04	FEB 11	74.23	MAY 22	74.94	AUG 26	80.57

TISHOMINGO COUNTY--Continued

344634088173201. Local number E14. (USCE 15A)
LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 340 ft (103.6 m), cased to 320 ft (97.5 m).
DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft (0.12 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.19 ft (23.518 m) below land-surface datum, Apr. 25, 1973; lowest measured, 110.57 ft (33.702 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	89.93	FEB 11	90.79	MAY 22	96.10	AUG 26	110.57

344634088173202. Local number E15. (USCE 15B)
LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 204 ft (62.2 m), cased to 184 ft (56.1 m).
DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.08 ft (15.569 m) below land-surface datum, Mar. 2, 1972; lowest measured, 67.94 ft (20.708 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	60.55	FEB 11	60.97	MAY 22	62.99	AUG 26	67.94

344634088173203. Local number E16. (USCE 15C)
LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 130 ft (39.6 m), cased to 120 ft (36.6 m).
DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.66 ft (13.917 m) below land-surface datum, Mar. 30, 1976; lowest recorded, 57.23 ft (17.444 m) below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	53.55	53.76	53.77	53.74	---	53.40	53.16	53.92	55.19	---	56.30	
10	53.46	53.78	53.78	53.82	---	53.47	53.11	54.01	55.52	---	56.80	
15	53.75	53.78	53.72	---	53.57	53.39	53.13	54.15	55.58	---	---	
20	53.71	53.79	53.34	---	53.45	53.31	53.19	54.33	55.62	---	---	
25	53.72	53.82	53.76	---	53.54	53.22	53.37	54.54	55.05	---	57.23	
EOM	53.74	53.81	53.46	---	53.50	53.35	53.67	54.72	---	56.61	---	

344155088194801. Local number G4. (USCE 21A)
LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi (3.5 km) southwest of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 278 ft (84.7 m), cased to 268 ft (81.7 m).
DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft (0.229 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 111.91 ft (34.110 m) below land-surface datum, May 21, 1982; lowest measured, 149.15 ft (45.461 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	124.99	FEB 11	137.45	MAY 21	111.91	AUG 26	115.01

TISHOMINGO COUNTY--Continued

344155088194802. Local number G5. (USCE 21B)

LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi (3.5 km) southwest of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 235 ft (71.6 m).

DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.28 ft (36.357 m) below land-surface datum, Dec. 19, 1979; lowest measured, 138.50 ft (42.215 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	132.68	FEB 11	132.47	MAY 21	126.79	AUG 26	127.19

344218088184301. Local number G38. (USCE 22A)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.4 S., R.9 E., 2 mi (3 km) south of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 360 ft (109.7 m), cased to 320 ft (97.5 m).

DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.18 m) above land-surface datum.

PERIOD OF RECORD.--February 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.12 ft (46.061 m) below land-surface datum, Mar. 9, 1976; lowest measured, 191.89 ft (58.488 m) below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	191.89	FEB 11	190.96	MAY 21	190.98	AUG 26	191.69

344218088184302. Local number G40. (USCE 22B)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, NW¼SW¼ sec.25, T.4 S., R.9 E., 2.0 mi (3.2 km) south of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.9 ft (0.27 m) above land-surface datum.

PERIOD OF RECORD.--February 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142.33 ft (43.382 m) below land-surface datum, Mar. 9, 1976; lowest measured 176.38 ft (53.761 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	174.98	FEB 11	175.08	MAY 21	175.45	AUG 26	176.38

344230088173401. Local number G20. (USCE 23C)

LOCATION.--Lat 34°43'30", long 88°17'34", Hydrologic Unit 03060101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 330 ft (100.6 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 588 ft (179.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.1 ft (0.64 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.27 ft (25.686 m) below land-surface datum, Apr. 25, 1973; lowest measured, 192.92 ft (58.802 m) below land-surface datum, Aug. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	190.87	FEB 12	189.54	MAY 22	188.46	AUG 22	192.92

TISHOMINGO COUNTY--Continued

344230088173402. Local number G33. (USCE 23D).
LOCATION.--Lat 34°42'30", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 145 ft (44.2 m), cased to 135 ft (41.1 m).
DATUM.--Land-surface datum is about 590 ft (179.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft (0.5 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.95 ft (26.502 m) below land-surface datum, Apr. 25, 1973; lowest measured, dry, Nov. 7, 1980.

Note. Well reported dry since Nov. 7, 1980.

344231088173401. Local number G34. (USCE 23E)
LOCATION.--Lat 34°42'31", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 92 ft (28.0 m), cased to 87 ft (26.5 m).
DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.70 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.84 ft (19.458 m) below land-surface datum, June 9, 1976; lowest measured, 80.77 ft (24.619 m) below land-surface datum, October 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	78.33	FEB 11	78.73	MAY 21	78.55	AUG 22	78.68

344228088173901. Local number G23. (USCE 23G)
LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).
DATUM.--Land-surface datum is about 601 ft (183.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.18 m) above land-surface datum.
PERIOD OF RECORD.--January 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.63 ft (29.453 m) below land-surface datum, Apr. 25, 1973; lowest measured, 197.24 ft (60.119 m) below land-surface datum, May 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	193.68	FEB 12	192.95	MAY 21	192.11	AUG 22	196.04

344232088173201. Local number G27. (USCE 23I)
LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 492 ft (150.0 m), cased to 452 ft (137.8 m).
DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.
PERIOD OF RECORD.--April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.54 ft (54.114 m) below land-surface datum, Apr. 25, 1973; lowest measured, 193.32 ft (58.934 m) below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL
NOV 19	193.32

Note: Water level reported to be below obstruction at 196 ft since Feb. 12, 1982.

TISHOMINGO COUNTY--Continued

344232088173202. Local number G31. (USCE 23J)
LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 380 ft (115.8 m), cased to 360 ft (109.7 m).
DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.06 m) above land-surface datum.
PERIOD OF RECORD.--December 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.78 ft (24.927 m) below land-surface datum, Apr. 25, 1973.

NOTE: Water level reported to be below obstruction at 190 ft since May 13, 1981.

344234088153401. Local number G30. (USCE 23K)
LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 300 ft (91.4 m), cased to 200 ft (61 m).
DATUM.--Land-surface datum is about 559 ft (170.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--November 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.05 ft (16.170 m) below land-surface datum, Apr. 25, 1973; lowest measured, 167.78 ft (51.139 m) below land-surface datum, May 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	158.78	FEB 12	157.88	MAY 21	156.78	AUG 22	160.90

344234088153402. Local number G32. (USCE 23L)
LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 126 ft (38.4 m), cased to 86 ft (26.2 m).
DATUM.--Land-surface datum is about 563 ft (171.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.
PERIOD OF RECORD.--December 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.16 ft (18.032 m) below land-surface datum, May 31, 1973, lowest measured, dry, Nov. 7, 1980.

Note: Well reported dry since Nov. 7, 1980.

344228088173902. Local number G41. (USCE 23N)
LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 200 ft (61.0 m), cased to 180 ft (54.9 m).
DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.24 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.13 ft (29.605 m) below land-surface datum, July 31, 1973; lowest measured, 164.60 ft (50.170 m) below land-surface datum, Aug. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	160.14	FEB 12	161.70	MAY 21	162.98	AUG 22	164.60		

344228088173903. Local number G42. (USCE 23O)
LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 60 ft (18.3 m), cased to 50 ft (15.2 m).
DATUM.--Land-surface datum is about 561 ft (171.0 m), National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.1 ft (0.64 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.13 ft (12.536 m) below land-surface datum, Dec. 4, 1975; lowest measured, dry, Feb. 15, 1981.

NOTE: Well reported dry since Feb. 15, 1981.

TISHOMINGO COUNTY--Continued

344253088162802. Local number G15. (USCE 25A)
LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 235 ft (71.6 m), cased to 230 ft (70.1 m).
DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.37 ft (28.154 m) below land-surface datum, June 25, 1975; lowest measured, 126.28 ft (38.490 m) below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	124.35	FEB 11	124.24	MAY 22	124.24	AUG 25	126.28

344253088162803. Local number G16. (USCE 25B)
LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 200 ft (61.0 m), cased to 190 ft (57.9 m).
DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.87 ft (27.392 m) below land-surface datum, July 13, 1973; lowest measured, 113.20 ft (34.503 m) below land-surface datum, May 21, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	107.66	FEB 11	108.21	MAY 21	113.20	AUG 25	109.47

344302088153802. Local number G17. (USCE 26A)
LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 250 ft (76.2 m), cased to 210 ft (64 m).
DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.73 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.60 ft (12.071 m) below land-surface datum, Mar. 4, 1976; lowest measured, 59.68 ft (18.190 m) below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	58.95	FEB 11	58.37	MAY 22	58.14	AUG 25	59.68

344302088153803. Local number G18. (USCE 26B)
LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 127 ft (38.7 m), cased to 122 ft (37.2 m).
DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.00 ft (11.887 m) below land-surface datum, Mar. 12, 1980; lowest measured 47.39 ft (14.445 m) below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	46.57	FEB 11	46.12	MAY 22	45.96	AUG 25	47.39

TISHOMINGO COUNTY--Continued

344302088153804. Local number G19. (USCE 26C)
LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 72 ft (21.9 m), cased to 67 ft (20.4 m).
DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.21 ft (10.732 m) below land-surface datum, Apr. 25, 1973; lowest measured, 45.63 ft (13.908 m) below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	44.92	FEB 11	44.44	MAY 21	44.56	AUG 25	45.63

344017088180402. Local number J18. (USCE 31A)
LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 178 ft (54.3 m), cased to 158 ft (48.2 m).
DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.06 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.85 ft (5.136 m) below land-surface datum, May 23, 1974; lowest measured 44.18 ft (13.466 m) below land-surface datum, Jan. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	39.00	FEB 11	38.70	MAY 21	38.34	AUG 25	38.86

344017088180403. Local number J19. (USCE 31B)
LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).
DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.49 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft (1.768 m) below land-surface datum, May 20, 1975; lowest recorded, 12.99 ft (3.960 m) below land-surface datum, Sept. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.38	12.05	12.35	12.06	11.75	11.58	11.30	11.27	11.75	12.17	12.47	12.79
10	11.31	12.15	12.31	12.18	11.58	11.64	11.34	11.30	11.83	12.20	12.58	12.81
15	11.27	12.12	12.28	12.03	11.59	11.50	11.30	11.39	11.83	12.32	12.59	12.86
20	12.06	12.24	12.39	12.10	11.61	11.40	11.11	11.44	11.96	12.34	12.59	12.87
25	11.96	12.23	12.34	11.73	11.75	11.56	11.13	11.42	12.04	12.43	12.69	12.83
EOM	12.09	12.25	12.31	11.63	11.60	11.51	11.21	11.60	12.15	12.45	12.77	12.99

344041088172602. Local number J20. (USCE 32A)
LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi (3.1 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).
DATUM.--Land-surface datum is about 530 ft (161.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.3 ft (0.40 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.90 ft (19.172 m) below land-surface datum, June 9, 1976; lowest measured, 106.69 ft (32.519 m) below land-surface datum, Oct. 25, 1978 (revised).

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	92.36	FEB 11	91.91	APR 5	91.35	MAY 21	91.57	AUG 26	91.84

344041088172603. Local number J21. (USCE 32B)
LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi (3.1 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 m), depth 112 ft (34.1 m), cased to 102 ft (31.1 m).
DATUM.--Land-surface datum is about 530 ft (161.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.18 m) above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.33 ft (18.693 m) below land-surface datum, Apr. 26, 1973; lowest measured, 76.00 ft (23.165 m) below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	74.95	FEB 11	75.50	APR 5	75.10	MAY 21	75.55	AUG 26	76.00

344041088164401. Local number J8. (USCE 33A)
LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) southwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 172 ft (52.4 m), cased to 162 ft (49.4 m).
DATUM.--Land-surface datum is about 515 ft (157.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.54 ft (14.185 m) below land-surface datum, May 23, 1974; lowest measured, 74.63 ft (22.747 m) below land-surface datum, Aug. 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	70.12	FEB 11	68.79	MAY 22	67.14	AUG 22	67.77

344041088164402. Local number J16. (USCE 33B)
LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).
DATUM.--Land-surface datum is about 515 ft (157.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.09 m) above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.93 ft (15.219 m) below land-surface datum, May 23, 1974; lowest measured, 61.43 ft (18.724 m) below land-surface datum, Aug. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	60.38	FEB 11	60.62	MAY 22	60.68	AUG 22	61.43

344041088164403. Local number J17. (USCE 33C)
LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 212 ft (64.6 m), cased to 192 ft (58.5 m).
DATUM.--Land-surface datum is about 515 ft (157.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 42.20 ft (12.863 m) below land-surface datum, Apr. 9, 1974; lowest measured, 91.80 ft (27.981 m) below land-surface datum, Nov. 6, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	73.62	FEB 11	72.96	MAY 22	72.07	AUG 22	72.02

TISHOMINGO COUNTY--Continued

344053088161202. Local number J13. (USCE 34A)
LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 266 ft (81.1 m), cased to 256 ft (78.0 m).
DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.17 ft (25.045 m) below land-surface datum, Mar. 13, 1974; lowest recorded, 117.63 ft (35.854 m) below land-surface datum, Aug. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	109.29	110.06	110.33	110.00	109.56	109.15	108.66	108.43	108.34		---	
10	109.48	110.25	110.22	110.08	109.39	109.20	108.70	108.44	108.37		---	
15	109.66	110.19	110.14	109.80	109.27	108.94	108.55	108.45	108.33		---	
20	109.79	110.22	110.26	109.82	109.26	108.85	108.53	108.43	108.39		---	
25	109.76	110.22	110.14	109.66	109.34	108.93	108.45	108.34	---		108.37	
EOM	110.02	110.24	110.05	109.51	109.24	108.81	108.47	108.29	---		---	

344053088161203. Local number J14. (USCE 34B)
LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 cm), depth 134 ft (40.8 m), cased to 129 ft (39.3 m).
DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.65 ft (0.50 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.67 ft (21.235 m) below land-surface datum, May 23, 1974; lowest recorded, 77.42 ft (23.598 m) below land-surface datum, Sept. 28, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	75.84	76.13	76.62	76.89	76.85	76.88	76.53	76.43	76.58	76.30	77.04	77.22
10	75.88	76.24	76.52	76.92	76.33	76.76	76.75	76.41	76.60	76.80	77.06	77.17
15	75.94	76.22	76.59	76.73	76.69	76.64	76.58	76.42	76.56	76.92	77.04	77.24
20	75.98	76.42	76.60	76.83	76.31	76.65	76.60	76.43	76.72	76.91	77.17	77.29
25	75.93	76.42	76.66	76.83	76.96	76.89	76.34	76.37	76.71	77.01	77.15	77.23
EOM	76.17	76.34	76.60	76.96	76.31	76.71	76.51	76.43	76.90	77.01	77.20	77.41

344053088161204. Local number J15. (USCE 34C)
LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 100 ft (30.5 m), cased to 95 ft (29.0 m).
DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.06 m) above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.42 ft (21.159 m) below land-surface datum, June 20, 1974; lowest measured, 75.22 ft (22.927 m) below land-surface datum, Oct. 17, 1972.

NOTE: Water level reported to be below obstruction at 8 ft since May 27, 1980.

344110088151002. Local number G13. (USCE 35A)
LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).
DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.09 m) above land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.68 ft (32.516 m) below land-surface datum, May 23, 1974; lowest measured, 130.29 ft (39.712 m) below land-surface datum, May 5, 1979.

NOTE: Water level reported to be below obstruction at 119 ft since Aug. 28, 1980.

TISHOMINGO COUNTY--Continued

344110088151003. Local number G14. (USCE 35B)
LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sands of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 203 ft (61.9 m), cased to 198 ft (60.4 m).
DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.22 ft (29.938 m) below land-surface datum, Mar. 6, 1976; lowest measured, 102.15 ft (31.135 m) below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	101.58	FEB 11	101.76	MAY 21	101.37	AUG 25	102.15

343936088161901. Local number J10.
LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., in Paden.
Owner: Irwin Schwabe Co. (Formerly Paden Water District)
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 181 ft (55.2 m), cased to 165 ft (51.5 m).
DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.69 ft (0.515 m) above land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.2 ft (5.852 m) above land-surface datum, Mar. 13, 1974; lowest measured, 3.37 ft (0.214 m) below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	3.37	MAY 21	1.79	AUG 25	1.31

343150088183703. Local number L32. (USCE 45B)
LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi (13.7 km) southwest of Tishomingo.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan Sand member of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 76 ft (23.2 m), cased to 66 ft (20.1 m).
DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.40 ft (15.972 m) below land-surface datum, Jan. 25, 1979; lowest measured, 57.09 ft (17.401 m) below land-surface datum, Aug. 23, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	56.75	FEB 10	54.02	MAY 20	56.63	AUG 23	57.09

342854088194101. Local number L29. (USCE 54A)
LOCATION.--Lat 34°28'54", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 27 ft (8.2 m), cased to 22 ft (6.7 m).
DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.9 ft (0.58 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.35 ft (0.107 m) above land-surface datum, Apr. 25, 1973; lowest recorded, 9.91 ft (3.021 m) below land-surface datum, Nov. 20, 1981.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-9.70	---	-9.74	-5.45	-2.40	-1.15	-0.16	-2.62	-5.06	-5.83	-6.90	-7.16
10	-9.77	---	-9.68	-5.74	-1.63	-1.13	-0.57	-2.90	-5.35	-5.98	-7.03	-7.25
15	-9.83	---	-9.61	-6.21	-1.30	-1.58	-1.61	-3.53	-5.62	-6.18	-5.36	-7.15
20	-9.58	-9.91	-9.56	-6.34	-0.62	-1.60	.15	-4.03	-5.91	-6.35	-5.91	-7.15
25	---	-9.87	-9.44	-1.92	-1.50	-2.24	-1.06	-4.33	-6.19	-6.53	-7.00	-7.20
EOM	---	-9.86	-9.36	-2.40	-0.46	-2.84	-1.56	-4.91	-6.37	-6.73	-7.10	-7.15

TISHOMINGO COUNTY--Continued

342854088194702. Local number L33. (USCE 54B)
LOCATION.--Lat 34°28'54", long 88°19'47", Hydrologic Unit 03160101, SW¼SE¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 12 ft (3.7 m).
DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.09 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft (0.061 m) above land-surface datum, Apr. 25, 1973; lowest measured, 10.24 ft (3.121 m) below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	10.24	FEB 10	1.72	MAY 20	4.13	AUG 23	7.16

342854088194103. Local number L34. (USCE 54C)
LOCATION.--Lat 34°28'40", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 8.1 mi (13.0 km) west of Golden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 13 ft (4.0 m), cased to 8 ft (2.4 m).
DATUM.--Land-surface datum is about 333 ft (101.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.43 m) above land-surface datum.
PERIOD OF RECORD.--June 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.62 ft (0.189 m) below land-surface datum, Mar. 9, 1976; lowest measured, 10.75 ft (3.277 m) below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	10.75	FEB 10	1.68	MAY 20	4.38	AUG 23	7.48

342844088184701. Local number L30. (USCE 55A)
LOCATION.--Lat 34°28'44", long 88°18'47", Hydrologic Unit 03160101, SE¼SE¼ sec.11, T.7 S., R.9 E., 7 mi (11 km) west of Golden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 50 ft (15.2 m), cased to 45 ft (13.7 m).
DATUM.--Land-surface datum is about 380 ft (115.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.3 ft (0.40 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest year level measured, 20.08 ft (6.120 m) below land-surface datum, Jan. 8-13, 1976; lowest recorded, 22.93 ft (6.989 m) below land-surface datum, Nov. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---	22.90	22.16	21.95	21.55	21.31	21.27	21.32	21.91	22.23	22.56
10		---	22.76	22.35	21.76	21.58	21.29	21.21	21.99	22.07	22.23	22.69
15		---	22.59	22.25	21.75	21.51	21.33	21.59	22.03	22.15	22.19	22.43
20		22.92	22.72	22.25	21.52	21.47	20.99	21.75	22.09	22.15	22.30	22.47
25		22.45	22.46	21.96	21.90	21.66	21.09	21.72	22.15	22.15	22.42	22.55
EOM		22.82	22.37	21.96	21.58	21.72	21.18	21.87	22.14	22.15	22.55	22.42

PRENTISS COUNTY

343152088213002. Local number M21. (USCE 41A)
LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (26 km) east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 226 ft (68.9 m), cased to 206 ft (62.8 m).
DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.4 ft (0.43 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.65 ft (41.041 m) below land-surface datum, July 12, 1973; lowest recorded, 150.51 ft (45.875 m) below land-surface datum, Sept. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	148.13	148.47	148.75	148.71	149.06	149.05	148.98	149.12	149.18	149.57	149.95	150.29
10	148.15	148.54	148.79	148.80	149.09	149.15	149.03	149.12	149.21	149.65	149.97	150.33
15	148.22	148.54	148.76	148.81	149.12	149.03	148.90	149.14	149.26	149.62	149.97	150.35
20	148.35	148.65	148.90	148.83	149.06	148.99	148.98	149.17	149.27	149.65	149.97	150.35
25	148.36	148.63	148.81	148.83	149.14	149.04	149.05	149.14	149.53	149.65	150.12	150.39
EOM	148.38	148.69	148.82	148.90	149.13	149.13	149.04	149.13	149.56	149.91	150.21	150.51

343152088213003. Local number M22. (USCE 41B)
LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (26 km) east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 176 ft (53.6 m), cased to 166 ft (50.6 m).
DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft (0.52 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 71.30 ft (21.732 m) below land-surface datum, June 19, 1980; lowest measured, 77.52 ft (23.628 m) below land-surface datum, Jan. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	75.36	76.41	77.07	77.31	77.35	77.27	77.07	76.84	76.80		---	77.31
10	75.13	76.45	76.92	77.35	77.30	77.26	77.22	76.81	76.73		---	77.27
15	75.33	76.44	76.95	77.15	77.14	77.08	77.36	76.76	---		---	77.36
20	75.38	76.79	77.08	77.24	77.32	77.09	77.09	76.75	---		---	---
25	75.35	76.76	77.12	77.23	77.42	77.33	76.78	76.69	---		77.21	---
EOM	75.41	76.69	77.00	77.37	77.27	77.14	76.95	76.67	---		77.29	---

343150088205801. Local number M26. (USCE 42A)
LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 69 ft (21.0 m), cased to 59 ft (18.0 m).
DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuing poing: Top of casing 2.7 ft (0.82 m).
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.09 ft (5.514 m) below land-surface datum, May 27, 1980; lowest measured, 25.05 ft (7.635 m) below land-surface datum, Aug. 23, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	24.72	FEB 10	25.05	MAY 20	24.28	AUG 23	25.05

PRENTISS COUNTY--Continued

343150088205802. Local number M27. (USCE 42B)
LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 49 ft (14.9 m), cased to 39 ft (11.9 m).
DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m).
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.38 ft (5.602 m) below land-surface datum, May 27, 1980; lowest measured, 25.14 ft (7.663 m) below land-surface datum, Aug. 23, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	24.86	FEB 10	25.09	MAY 20	24.23	AUG 23	25.14

343201088204701. Local number M23. (USCE 43A)
LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (23 km) southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).
DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.7 ft (0.21 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 116.43 ft (35.488 m) below land-surface datum, Apr. 25, 1973; lowest measured 131.94 ft (40.215 m) below land-surface datum, May 20, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 10	129.52	MAY 20	131.94

NOTE: Water level reported to be below obstruction at 137 ft since Aug. 23, 1982.

343201088204702. Local number M18. (USCE 43B)
LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (23 km) southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 120 ft (36.6 m), cased to 110 ft (33.5 m).
DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.37 m) above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.38 ft (13.527 m) below land-surface datum, May 27, 1980; lowest measured, 52.45 ft (15.987 m) below land-surface datum, May 20, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	51.08	FEB 10	51.96	MAY 20	52.45	AUG 23	51.38

PRENTISS COUNTY--Continued

343201088204703. Local number M17. (USCE 43C)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (23 km) southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.Drilled unused artesian well, diameter 4 in (102 mm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).

DATUM.--Land-surface datum is about 445 ft (135.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.83 ft (8.056 m) below land-surface datum, May 23, 1980; lowest measured, 34.48 ft (10.509 m) below land-surface datum, Sept. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.23	33.55	33.46	34.14	34.27	34.39	34.20	33.85	33.67	33.71	33.76	34.26
10	33.28	33.63	33.39	34.26	34.36	34.27	34.23	33.74	33.56	33.72	33.79	34.27
15	33.37	33.63	33.46	34.19	34.25	34.23	34.10	33.75	33.53	33.77	34.02	34.33
20	33.41	33.72	33.99	34.25	34.31	34.22	34.09	33.69	33.66	33.73	34.09	34.38
25	33.40	33.74	34.02	34.29	34.41	34.39	33.87	33.66	33.66	33.82	34.13	34.40
EOM	33.51	33.73	34.07	34.39	34.35	34.25	33.94	33.62	33.69	33.83	34.20	34.48

343201088194701. Local number M25. (USCE 43D)

LOCATION.--Lat 34°32'01", long 88°19'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (23 km) southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 118 ft (36.0 m), cased to 108 ft (32.9 m).

DATUM.--Land-surface datum is about 460 ft (140.2 cm) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.9 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.04 ft (14.033 m) below land-surface datum, July 28, 1977; lowest measured, 53.79 ft (15.816 m) below land-surface datum, Feb. 10, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	52.65	FEB 10	53.79	MAY 20	53.22	AUG 23	53.45

342917088212701. Local number M20. (USCE 51A)

LOCATION.--Lat 34°29'17", long 88°21'27", Hydrologic Unit 03160101, SE¼NW¼ sec.9, T.7 S., R.9 E., 15.5 mi (24.9 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 64 ft (19.5 m), cased to 59 ft (18.0 m).

DATUM.--Land-surface datum is about 356 ft (108.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.24 ft (9.217 m) below land-surface datum, Apr. 25, 1973; lowest measured, 35.22 ft (10.735 m) below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	35.19	FEB 10	31.95	MAY 20	32.47	AUG 23	33.24

342911088205201. Local number M19. (USCE 52A)

LOCATION.--Lat 34°29'11", long 88°20'52", Hydrologic Unit 03160101, NE¼SE¼ sec.9. T.7 S., R.9 E., 15.6 mi (25.1 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 40 ft (12.2 m), cased to 35 ft (10.7 m).

DATUM.--Land-surface datum is about 324 ft (98.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.2 ft (0.061 m) above land-surface datum, Apr. 25, 1973; lowest measured, 8.40 ft (2.560 m) below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	8.40	FEB 10	3.38	MAY 20	5.49	AUG 23	6.94

PRENTISS COUNTY--Continued

342900088201601. Local number M16. (USCE 53A)

LOCATION.--Lat 34°29'00", long 88°20'16", Hydrologic Unit 03160101, NW¼SE¼ sec.10, T.7 S., R.9 E., 15.7 mi (25.3 km) southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 35 ft (10.7 m), cased to 30 ft (9.1 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.4 ft (1.04 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.31 ft (0.95 m) below land-surface datum, Apr. 25, 1973; lowest measured, 10.24 ft (3.121 m) below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	10.24	FEB 10	0.70	MAY 20	3.28	AUG 23	7.12

ITAWAMBA COUNTY

342215088275501. Local number D35. (USCE 61A)

LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest of Fulton.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 214 ft (65.2 m), cased to 204 ft (62.2 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.3 ft (1.31 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.03 ft (3.057 m) below land-surface datum, May 26, 1976; lowest measured, 43.42 ft (13.234 m) below land-surface datum, Aug. 23, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	39.55	FEB 10	42.13	MAY 19	40.64	AUG 23	43.42

342215088275502. Local number D34. (USCE 61B)

LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.21, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest of Fulton.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.8 ft (1.16 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.04 ft (1.231 m) below land-surface datum, Mar. 10, 1976; lowest measured, 10.17 ft (3.100 m) below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	10.17	FEB 10	9.09	MAY 19	8.59	AUG 23	9.55

342245088232501. Local number E6. (USCE 64A)

LOCATION.--Lat 34°22'45", long 88°23'25", Hydrologic Unit 03160101, SW¼SE¼ sec.18, T.8 S., R.9 E., 7 mi (11 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 106 ft (32.2 m), cased to 66 ft (20.1 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve 3.2 ft (0.98 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to June 1982 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 16.0 ft (4.877 m) above land-surface datum, Sept. 24, 1975; lowest measured 50.96 ft (15.533 m) below land-surface datum, May 20, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	44.82	FEB 10	50.96	MAY 20	50.90

ITAWAMBA COUNTY--Continued

342245088232502. Local number E4. (USCE 64B)
LOCATION.--Lat 34°22'45", long 88°23'25", Hydrologic Unit 03160101, SW¼SE¼ sec.18, T.8 S., R.9 E., 7 mi (11 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 40 ft (12.2 m), cased to 30 ft (9.1 m).
DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.4 ft (0.73 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to June 1982 (destroyed).
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.67 ft (0.509 m) above land-surface datum, Mar. 31, 1976; lowest recorded, 2.45 ft (0.747 m) below land-surface datum, Oct. 23-24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.01	1.56	.90	.43	.02		---				
10	---	2.04	1.51	---	---	.11		---				
15	---	2.05	1.51	---	.32	.16		---				
20	2.24	2.15	1.56	---	.17	.23		1.05				
25	2.20	2.10	1.39	.51	.30	---		---				
EOM	2.31	1.79	1.43	.63	.03	---		---				

342301088230101. Local number E5. (USCE 65A)
LOCATION.--Lat 34°23'01", long 88°23'01", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.8 S., R.9 E., 7.1 mi (11.4 km) north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 130 ft (39.6 m), cased to 110 ft (33.5 m).
DATUM.--Land-surface datum is about 325 ft (99.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 5.5 ft (1.68 m) above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level indicated, flowing >5 ft (1.5 m) above land-surface datum, many days in April, September and October 1978; lowest recorded, 47.42 ft (14.454 m) below land-surface datum, Aug. 16, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	39.53	40.59	39.56	43.60	44.08	41.38	39.42	43.79	44.75	44.76	45.52
10	---	38.97	41.52	38.82	43.26	42.97	41.35	39.42	43.95	43.87	45.58	45.50
15	---	39.55	---	40.29	44.07	41.95	41.35	41.69	44.69	44.19	47.25	45.36
20	37.98	40.21	---	---	44.08	41.15	41.30	43.69	44.10	44.87	45.99	44.35
25	37.17	40.42	---	---	43.74	41.09	41.49	43.13	44.49	44.76	45.58	44.00
EOM	39.16	40.53	41.72	---	44.01	41.39	40.43	43.79	44.97	44.75	45.63	44.43

341610088264801. Local number G65. (USCE 67A)
LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3 km) west of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 179 ft (54.6 m), cased to 169 ft (51.5 m).
DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.73 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 2.63 ft (0.802 m) above land-surface datum, May 17, 1979; lowest measured, 23.21 ft (7.074 m) below land-surface datum, Feb. 10, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	23.04	FEB 10	23.21	MAY 19	22.18	AUG 23	22.28

ITAWAMBA COUNTY--Continued

341610088264802. Local number G66. (USCE 67B)
LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3.2 km) west of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 71 ft (21.6 m), cased to 61 ft (18.6 m).
DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.73 m) above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.42 ft (3.176 m) below land-surface datum, May 17, 1979, lowest measured, 19.62 ft (5.980 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	19.02	FEB 10	14.18	MAY 19	17.39	AUG 23	17.77

341221088241201. Local number K39. (USCE 71A)
LOCATION.--Lat 34°14'25", long 88°19'31", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.10 S., R.9 E., 4.6 mi (7.4 km) southwest of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).
DATUM.--Land-surface datum is about 273 ft (83.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.24 ft (1.292 m) below land-surface datum, Mar. 10, 1976; lowest measured, 17.49 ft (5.331 m) below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	17.49	FEB 10	14.86	MAY 19	14.63	AUG 23	14.88

341235088233801. Local number L17. (USCE 72A)
LOCATION.--Lat 34°12'35", long 88°23'38", Hydrologic Unit 03160101, NW¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian wells, diameter 4 in (102 mm), depth 21 ft (6.4 m), cased to 16 ft (4.9 m).
DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.6 ft (1.40 m).
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.0 ft (0.914 m) above land-surface datum, Feb. 9, 1975; lowest measured, 5.01 ft (1.527 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	0.21	FEB 17	2.21	MAY 19	0.31	AUG 23	0.32

341232088225302. Local number L14. (USCE 74A)
LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 150 ft (45.7 m), cased to 130 ft (39.6 m).
DATUM.--Land-surface datum is about 270 ft (82.3) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.5 ft (0.46 m) above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.63 ft (3.240 m) below land-surface datum, Mar. 14, 1975; lowest recorded 24.04 ft (7.327 m) below land-surface datum, Oct. 20, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.93	23.82	23.60	22.56	21.12	20.70	20.37	20.47	21.35	21.70	21.96	21.82
10	23.94	23.95	23.53	22.09	20.97	20.77	20.26	20.53	21.50	21.65	21.93	21.92
15	24.02	23.92	23.42	21.81	20.78	20.71	20.33	20.69	21.63	21.74	21.56	22.06
20	24.06	23.85	23.47	21.91	20.68	20.65	19.92	20.85	21.37	21.87	21.46	22.24
25	23.39	23.81	23.30	21.18	20.91	20.90	20.08	21.02	21.82	21.88	21.46	22.32
EOM	23.96	23.67	23.13	21.34	20.72	20.91	20.32	21.30	21.97	22.00	21.72	22.51

241232088225301. Local number L19. (USCE 74B)

LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south of Fulton.
Owner: Sarge Benson.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water-table well, diameter 24 in (610 mm), depth 16 ft (4.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m).

PERIOD OF RECORD.--January 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.48 ft (0.146 m) below land-surface datum, Jan. 23, 1973; lowest measured, 10.98 ft (3.347 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	9.71	FEB 10	3.23	MAY 19	7.35	AUG 26	7.38

341232088222801. Local number L16. (USCE 75A)

LOCATION.--Lat 34°12'32", long 88°22'28", Hydrologic Unit 03160101, SW¼SE¼ sec.17, T.10 S., R.9 E., 4.8 mi (7.7 km) southeast of Fulton.
Owner: U.S. Army, Corps of Engineers

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 144 ft (43.9 m), cased to 124 ft (37.8 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.12 ft (6.437 m) below land-surface datum, Apr. 25, 1973; lowest measured, 33.49 ft (10.208 m) below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	33.49	FEB 10	30.68	MAY 19	30.46	AUG 26	31.24

340544088255201. Local number N28. (USCE 81A)

LOCATION.--Lat 34°05'44", long 88°25'52", Hydrologic Unit 03160101, NE¼SW¼ sec.26, T.11 S., R.8 E., 12.3 mi (19.8 km) south of Fulton.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 180 ft (54.9 m), cased to 170 ft (51.8 m).

DATUM.--Land-surface datum is about 246 ft (75.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft (1.478 m) below land-surface datum, Mar. 10, 1976; lowest measured, 22.60 ft (6.888 m) below land-surface datum, Nov. 5, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	20.74	MAY 19	17.40	AUG 26	12.47

341604088244602. Local number G68. (USCE 106A)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in (51 mm), depth 10 ft (3.0 m), cased to 5 ft (1.5 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.8 ft (1.16 m) above land-surface datum.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.21 ft (0.369 m) above land-surface datum, June 8, 1978; lowest measured, 0.90 ft (0.274 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	0.03	FEB 10	1.13	MAY 19	-0.14	AUG 23	-0.21

ITAWAMBA COUNTY--Continued

341604088244601. Local number G67. (USCE 106B)
LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 175 ft (53.3 m), cased to 165 ft (50.3 m).
DATUM.--Land-surface datum is about 284 ft (86.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft (1.16 m) above land-surface datum.
PERIOD OF RECORD.--June 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.17 ft (2.490 m) below land-surface datum, June 8, 1978; lowest measured, 44.16 ft (13.460 m) below land-surface datum, Oct. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	43.37	41.51	41.58	41.35	41.92	42.01	37.76	38.10	39.07	37.87	40.72	40.33
10	42.70	41.61	41.76	41.73	42.09	41.50	38.26	37.23	38.10	37.88	41.02	40.61
15	42.37	41.50	41.69	41.41	42.17	41.69	38.73	36.46	39.17	39.11	39.89	41.45
20	41.78	41.55	42.17	41.87	42.11	40.56	38.23	37.16	38.60	39.58	40.25	41.05
25	41.40	41.02	42.45	41.85	42.16	40.07	39.10	38.22	38.62	39.88	40.69	41.31
EOM	41.53	40.72	41.74	41.72	42.01	38.91	38.30	38.61	38.71	39.80	39.96	40.30

MONROE COUNTY

340504088241101. Local number C51. (USCE 84A)
LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).
DATUM.--Land-surface datum is about 234 ft (71. m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.85 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.3 ft (4.054 m) above land-surface datum, Mar. 10, 1976; lowest measured, 7.63 ft (2.326 m) below land-surface datum, Feb. 1, 1979.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	-3.31	FEB 9	0.77	MAY 19	0.12	AUG 26	-1.51

340504088241102. Local number C52. (USCE 84B)
LOCATION.--Lat 34°05'04", long 88°14'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).
DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.2 ft (0.98 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 11.46 ft (3.493 m) above land-surface datum, Aug. 2, 1977; lowest measured, 12.64 ft (3.853 m) below land-surface datum, Feb. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	9.32	FEB 9	4.61	MAY 19	5.03	AUG 26	3.80

340504088241103. Local number C53. (USCE 84C)

LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 27 ft (8.2 m), cased to 7 ft (2.1 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft (0.235 m) above land-surface datum, Feb. 13, 1977; lowest measured, 9.17 ft (2.795 m) below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	9.17	FEB 9	0.15	MAY 19	2.39	AUG 26	2.70

340454088250401. Local number C54. (USCE 85A)

LOCATION.--Lat 34°04'54", long 88°25'04", Hydrologic Unit 03160101, SW¼NE¼ sec.36, T.11 S., R.8 E., 6.0 mi (10 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 21 ft (6.4 m), cased to 11 ft (3.4 m).

DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.5 ft (0.76 m).

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.17 ft (0.052 m) below land-surface datum, Jan. 23, 1973; lowest measured, 8.72 ft (2.658 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	5.59	FEB 9	0.72	MAY 19	3.45	AUG 26	4.24

340442088250101. Local number C55. (USCE 86A)

LOCATION.--Lat 34°04'42", long 88°25'01", Hydrologic Unit 03160101, NW¼SW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 24 ft (7.3 m), cased to 10 ft (3 m).

DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.80 ft (0.244 m) below land-surface datum, Apr. 25, 1973; lowest measured, 8.26 ft (2.518 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	4.92	FEB 9	1.02	MAY 19	3.53	AUG 26	3.25

340426088245101. Local number C56. (USCE 87A)

LOCATION.--Lat 34°04'26", long 88°24'51", Hydrologic Unit 03160101, SE¼SW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 13 ft (4.0 m), cased to 8 ft (2.4 m).

DATUM.--Land-surface datum is about 236 ft (71.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft (0.021 m) above land-surface datum, Mar. 13, 1980; lowest measured, 6.70 ft (2.042 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	-3.86	FEB 17	0.06	MAY 19	-2.02	AUG 26	-3.53

MONROE COUNTY--Continued

340409088243801. Local number C57. (USCE 89A)

LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 166 ft (50.6 m), cased to 146 ft (44.5 m).

DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft (0.503 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.48 ft (0.451 m) above land-surface datum, Apr. 26, 1973; lowest measured, 33.35 ft (10.775 m) below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	28.23	FEB 9	21.48	MAY 19	19.52	AUG 26	8.59

340409088243802. Local number C58. (USCE 89B)

LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan Formation of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 45 ft (13.7 m), cased to 40 ft (12.2 m).

DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.0 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.99 ft (1.216 m) below land-surface datum, June 8, 1978; lowest measured, 10.03 ft (3.057 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	8.86	FEB 9	5.56	MAY 19	5.98	AUG 26	5.64

340056088283001. Local number C66. (USCE 94A)

LOCATION.--Lat 34°00'56", long 88°28'30", Hydrologic Unit 03160101, SE¼SE¼ sec.20, T.12 S., R.8 E., 0.5 mi (0.8 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 20 ft (6.1 m), cased to 10 ft (3.0 m).

DATUM.--Land-surface datum is about 217 ft (66.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.0 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft (0.235 m) above land-surface datum, Feb. 17, 1982, 1974; lowest measured, 4.87 ft (1.484 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	-2.29	FEB 17	0.77	MAY 19	-0.14	AUG 26	-0.21

340054088281801. Local number C59. (USCE 95A)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 S., 0.5 mi (0.8 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 166 ft (50.6 m), cased to 156 ft (47.5 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.49 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.09 ft (0.03 m) above land-surface datum, March 22, 1973; lowest measured, 16.45 ft (5.014 m) below land-surface datum, Feb. 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.21	14.19	13.98	---	---	11.94	12.19	12.23	12.01	11.13	11.03	10.72
10	14.16	14.19	13.43	---	12.26	12.00	12.27	12.16	11.74	10.87	10.92	10.84
15	14.15	14.19	13.59	---	12.34	11.97	12.25	12.30	11.73	10.81	10.69	10.83
20	14.12	14.23	13.64	---	12.23	12.06	12.01	12.72	11.72	10.91	10.66	10.82
25	14.09	14.27	13.51	---	12.20	12.29	12.26	12.53	11.74	10.94	10.70	10.81
EOM	14.20	13.92	13.26	---	11.78	12.33	12.22	12.29	11.41	11.21	10.68	10.77

MONROE COUNTY--Continued

340054088281802. Local number C67. (USCE 95B)
LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 E., 0.5 mi (0.8 km) north of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 20 ft (6.1 m), cased to 10 ft (3.0 m).
DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft (0.503 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.76 ft (0.232 m) below land-surface datum, May. 19, 1982; lowest measured, 9.97 ft (3.039 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.39	3.47	3.20	1.97	1.61	1.37	1.18	1.59	1.90	2.02	2.31	2.98
10	3.26	3.56	3.23	2.15	1.43	1.25	1.22	1.52	2.16	2.19	2.55	3.03
15	3.58	3.58	2.77	2.12	1.55	1.26	1.37	1.64	2.31	2.45	1.95	3.15
20	3.44	3.63	2.47	2.05	1.42	1.29	1.08	1.75	2.34	2.59	2.39	3.38
25	3.39	3.57	2.65	1.67	1.46	1.34	1.38	1.73	2.48	2.46	2.59	3.33
EOM	3.39	3.23	2.76	1.66	1.25	1.36	1.43	2.07	2.03	2.40	2.79	3.59

340018088270701. Local number C60. (USCE 96A)
LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, NW¼SE¼ sec.20, T.12 S., R.18 W., 0.8 mi (1.3 km) northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 164 ft (50.0 m), cased to 154 ft (46.9 m).
DATUM.--Land-surface datum is about 253 ft (77.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.24 m).
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.92 ft (6.376 m) below land-surface datum, Apr. 26, 1973: lowest measured, 35.57 ft (10.842 m) below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	34.11	FEB 9	32.17	MAY 19	32.34	AUG 27	30.56

340018088270702. Local number C70. (USCE 96B)
LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, SW¼SE¼ sec.20, T.12 S., R.18 W., 0.5 mi (0.8 km) north of Amory.
Owner: Irma Tubbs.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Dug unused water table well, diameter 24 in (610 mm), depth 16 ft (4.9 m).
DATUM.--Land-surface datum is about 257 ft (78.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.9 ft (0.88 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft (0.640 m) below land-surface datum, Apr. 14, 1980; lowest measured, 12.10 ft (3.688 m) below land-surface datum, Nov. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.74	10.66	9.35	2.93	3.12	3.38	3.22	4.11	6.78	5.87	3.20	8.33
10	10.30	10.66	9.77	3.72	2.66	3.10	3.36	3.88	7.29	6.11	3.02	8.75
15	10.35	10.66	3.70	4.00	3.17	3.50	3.48	4.73	7.56	6.47	6.46	9.08
20	10.75	10.65	8.39	3.89	2.94	3.37	2.47	5.52	7.79	7.11	5.42	9.39
25	10.77	10.66	7.64	2.79	3.60	3.84	3.32	6.12	8.07	7.30	7.05	9.66
EOM	10.66	10.31	7.23	3.40	2.79	4.07	3.44	6.80	6.27	7.63	7.78	9.93

335902088314501. Local number C80. (USCE TTM 6A)
LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2 mi (3 km) west of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Tombigbee Sand Member of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 65 ft (19.8 m), cased to 55 ft (16.8 m).
DATUM.--Land-surface datum is about 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.52 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.26 ft (1.603 m) below land-surface datum, Mar. 10, 1976; lowest measured 13.19 ft (4.020 m) below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	13.19	FEB 9	11.08	MAY 19	9.57	AUG 26	11.54

MONROE COUNTY--Continued

335902088314502. Local number C81. (USCE TTM 6B)
LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2 mi (3 km) west of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 38 ft (11.6 m), cased to 28 ft (8.5 m).
DATUM.--Land-surface datum is about 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.90 ft (1.494 m) below land-surface datum, Mar. 10, 1976; lowest measured, 12.82 ft (3.908 m) below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	12.82	FEB 9	11.69	MAY 19	9.19	AUG 26	11.18

335445088312501. Local number H17. (USCE TTM 5A)
LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).
DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.87 ft (2.094 m) below land-surface datum, Mar. 12, 1980; lowest measurement 15.15 ft (4.618 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	13.88	FEB 9	8.81	MAY 19	9.71	AUG 27	12.13

335445088312502. Local number H18. (USCE TTM 5B)
LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).
DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.70 ft (2.042 m) below land-surface datum, Mar. 10, 1976; lowest measured, 13.86 ft (4.224 m) below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	13.86	FEB 9	9.26	MAY 19	9.22	AUG 27	12.02

335117088332801. Local number L63. (USCE 101A)
LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03610101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2 mi (3 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 m), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).
DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.6 ft (0.49 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.92 ft (3.633 m) below land-surface datum, Mar. 22, 1973; lowest measured, 25.28 ft (7.7053 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	24.60	FEB 9	22.69	MAY 19	19.05	AUG 27	23.42

MONROE COUNTY--Continued

335117088332802. Local number L69. (USCE 101B)
LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03160101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2 mi (3 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 20 ft (6.1 m), cased to 15 ft (4.6 m).
DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.6 ft (0.49 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.05 ft (0.625 m) below land-surface datum, May 30, 1973; lowest measured, 11.31 ft (3.448 m) below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	11.31	FEB 9	7.76	MAY 19	4.51	AUG 27	8.83

335118088323201. Local number L64. (USCE 102A)
LOCATION.--Lat 34°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2 mi (3 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 50 ft (15.2 m), cased to 40 ft (12.2 m).
DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.39 ft (0.119 m) above land-surface datum, Mar. 12, 1980; lowest measured, 11.46 ft (3.493 m) below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	8.73	FEB 9	2.96	MAY 19	2.48	AUG 27	4.44

335118088323202. Local number L68. (USCE 102B)
LOCATION.--Lat 33°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi (3 km) north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 30 ft (9.1 m), cased to 25 ft (7.6 m).
DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.98 ft (0.299 m) above land-surface datum, May 26, 1980; lowest measured, 8.80 ft (2.682 m) below land-surface datum, Dec. 11, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	8.37	FEB 9	3.61	MAY 19	2.46	AUG 27	4.89

335122088305201. Local number L65. (USCE 104A)
LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 W., 2.3 mi (3.7 km) northeast of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 55 ft (16.8 m), cased to 50 ft (15.2 m).
DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.30 ft (0.701 m) below land-surface datum, Apr. 8, 1974; lowest measured, 9.77 ft (2.978 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 19	4.20	AUG 27	7.05

NOTE: Water level reported to be below obstruction at 9.5 ft from Nov. 11, 1981 - Feb. 9, 1982.

MONROE COUNTY--Continued

335122088305202. Local number L67. (USCE 104B)
LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 E., 2.3 mi (3.7 km) northeast of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 24 ft (7.3 m), cased to 19 ft (5.8 m).
DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.65 ft (0.503 m) below land-surface datum, Feb. 9, 1982; lowest measured 9.27 ft (2.826 m) below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	9.27	FEB 9	1.65	MAY 19	3.90	AUG 27	6.74

335122088293001. Local number L62. (USCE 105A)
LOCATION.--Lat 33°51'22", long 88°29'30", Hydrologic Unit 03160101, SW¼SW¼ sec.19, T.14 S., R.19 W., 3.7 mi (6.0 km) northeast of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 64 ft (19.5 m), cased to 54 ft (16.4 m).
DATUM.--Land-surface datum is about 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.8 ft (0.24 m) above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 6.20 ft (1.890 m) below land-surface datum, Mar. 22, 1973; lowest measured 14.65 ft (4.465 m) Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.64	---	14.22	11.40	9.44	8.72	8.21	8.20	10.90	11.16	11.61	11.66
10	---	---	14.22	11.27	9.25	8.59	8.21	8.10	10.25	11.23	11.41	12.06
15	---	---	13.95	10.95	9.11	8.69	8.51	8.60	10.62	11.11	11.51	12.25
20	---	14.33	12.79	10.84	9.35	8.20	8.21	9.12	10.33	11.36	11.52	12.44
25	---	14.33	11.57	9.94	9.08	9.21	8.19	9.57	11.18	11.25	11.33	12.65
EOM	---	14.30	11.57	9.79	9.10	8.53	8.19	10.10	11.19	11.25	11.37	12.72

334958088323602. Local number L77. (USCE AB10)
LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 145 ft (44.2 m), cased to 135 ft (41.1 m).
DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.5 ft (1.06 m) above land-surface datum.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.17 ft (10.110 m) below land-surface datum, May 11, 1977; lowest measured, 67.86 ft (20.684 m) below land-surface datum, Aug. 8, 1979

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	41.31	FEB 9	39.03	MAY 19	39.67	AUG 27	40.39

334958088323601. Local number L75. (USCE AB11)
LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SE¼SE¼ sec.26, T.14 S., R.7 E., in Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan Formation of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 224 ft (68.3 m), cased to 204 ft (62.2 m).
DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.2 ft (0.98 m) above land-surface datum.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.52 ft (4.121 m) below land-surface datum, May 11, 1977; lowest measured 27.43 ft (8.361 m) below land-surface datum, Aug. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.43	24.80			---	18.65	17.86	17.93	18.48	20.05	20.19	21.39
10	24.07	24.53			19.38	18.67	17.96	17.94	18.65	20.22	20.33	21.26
15	24.42	24.51			19.18	18.56	18.14	18.32	18.76	19.93	20.25	21.53
20	24.51	---			19.26	18.33	17.86	18.45	18.96	20.14	20.18	21.56
25	25.14	---			19.30	18.32	17.61	18.41	19.65	20.05	20.56	21.79
EOM	[illegible]	---			18.77	18.35	17.30	18.45	19.69	20.55	21.36	22.03

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MONROE COUNTY--Continued

334958088323603. Local number L78. (USCE AB12)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen. Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor 3.0 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.94 ft (9.431 m) below land-surface datum, May 11, 1977; lowest measured, 52.09 ft (15.877 m) below land-surface datum, Jan. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	41.21	41.53	40.56	37.35	35.71	36.40	33.15	36.64	39.75	43.65	39.18	39.37
10	41.60	41.46	40.32	36.50	35.17	37.05	37.89	34.68	41.07	43.83	43.01	39.17
15	42.75	40.93	41.71	43.21	35.25	37.50	33.67	41.74	41.73	42.62	39.28	40.00
20	44.48	40.25	41.49	42.90	35.09	35.75	36.29	39.35	39.43	41.35	39.90	39.63
25	43.47	40.03	40.49	36.33	35.18	35.80	35.34	40.87	41.97	39.57	41.35	39.19
EOM	42.64	39.93	39.78	36.14	34.96	37.51	36.55	39.45	41.54	42.45	40.23	39.31

334910088311501. Local number L73. (USCE TTM 4A)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen. Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 177 ft (53.9 m), cased to 167 ft (50.9 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.58 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.73 ft (3.880 m) below land-surface datum, Mar. 11, 1980; lowest measured, 33.46 ft (10.199 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	30.53	FEB 9	23.65	MAY 19	24.07	AUG 27	28.42

334910088311502. Local number L74. (USCE TTM 4B)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen. Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferenciated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.61 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.02 ft (2.750 m) below land-surface datum, Mar. 11, 1976; lowest measured, 14.87 ft (4.532 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	14.72	FEB 9	9.14	MAY 19	9.61	AUG 27	11.20

LOWNDES COUNTY

333805088291001. Local number A33. (USCE TTM 3A)

LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 78 ft (23.8 m).

DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.52 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.27 ft (0.387 m) below land-surface datum, June 9, 1978; lowest measured, 10.73 ft (3.270 m) below land-surface datum, Nov. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	10.73	FEB 8	4.70	MAY 18	4.03	AUG 27	5.43

333805088291002. Local number A34. (USCE TTM 3B)

LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160104, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 31 ft (9.4 m), cased to 21 ft (6.4 m).

DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.9 ft (1.49 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.71 ft (0.2164 m) below land-surface datum, Apr. 20, 1982; lowest measured 10.37 ft (3.161 m) below land-surface datum, Dec. 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---	10.34	6.74	2.16	1.86	1.62	1.77	2.03	4.69	4.31	5.74
10		---	10.35	5.92	1.30	1.56	1.59	1.97	3.14	4.77	4.23	5.93
15		---	10.36	5.75	2.01	1.79	2.00	2.44	3.54	4.69	4.15	6.12
20		10.27	10.34	5.53	1.78	2.00	.71	3.08	4.03	4.73	4.32	6.30
25		10.31	10.31	2.93	2.23	2.17	1.33	3.55	4.43	4.53	4.52	6.48
EOM		10.33	10.32	2.60	1.43	2.41	.97	3.96	4.59	4.56	5.54	6.68

333355088282502. Local number C100. (USCE 114B)

LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 47 ft (14.3 m), cased to 37 ft (11.3 m).

DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.82 ft (0.250 m) above land-surface datum, Mar. 23, 1973; lowest measured, 10.80 ft (3.292 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---	5.31	---	4.32	4.40	4.53	4.24	5.53	5.84	5.03	6.26
10		---	6.77	4.52	4.08	4.19	4.30	4.63	5.53	5.96	5.36	6.39
15		---	5.59	---	4.41	4.43	4.57	4.64	5.66	5.75	5.31	6.46
20		7.09	5.62	---	4.23	4.57	3.33	5.24	5.58	5.93	5.79	6.56
25		6.97	5.58	3.47	4.58	4.61	3.59	5.50	5.75	5.92	5.39	6.63
EOM		6.92	5.54	4.24	3.78	4.83	3.97	5.69	5.90	5.97	6.15	6.71

LOWNDES COUNTY--Continued

333355088282503. Local number C101. (USCE 114C)
LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 92 ft (28.0 m), cased to 82 ft (25.0 m).
DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.70 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.59 ft (0.180 m) below land-surface datum, Mar. 23, 1973; lowest measured, 11.61 ft (3.539 m) below land-surface datum, Feb. 5, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	9.43	FEB 8	8.32	MAY 18	7.70	AUG 27	8.25

333354088270501. Local number C99. (USCE 115A)
LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7 mi (11 km) northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 84 ft (25.6 m), cased to 74 ft (22.6 m).
DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.43 m).
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.63 ft (0.192 m) below land-surface datum, Mar. 22, 1973; lowest measured, 8.82 ft (2.688 m) below land-surface datum, Nov. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	8.82	FEB 8	6.93	MAY 18	4.69	AUG 27	5.89

333354088270502. Local number C102. (USCE 115B)
LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7 mi (11 km) northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 24 ft (7.3 m), cased to 19 ft (5.8 m).
DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.43 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.34 ft (0.104 m) below land-surface datum, Mar. 22, 1973; lowest measured 10.57 ft (3.222 m) below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	10.57	FEB 8	2.62	MAY 18	4.12	AUG 27	6.32

332935088282001. Local number F73. (USCE TTM 2A)
LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼NW¼ sec.25, T.19 N., R.17 E., 2.3 mi (3.7 km) west of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 162 ft (49.4 m), cased to 152 ft (46.3 m).
DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.8 ft (1.77 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.16 ft (4.011 m) below land-surface datum, June 4, 1975; lowest measured, 27.64 ft (8.425 m) below land-surface datum, Aug. 26, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	26.02	FEB 8	25.05	MAY 18	24.63	AUG 27	25.14

LOWNDES COUNTY--Continued

332935088282002. Local number F74. (USCE TTM 2B)
LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼SW¼ sec.17, T.20 S., R.17 W., 2.3 mi (3.7 km) west of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 19 ft (5.8 m), cased to 9 ft (2.7 m).
DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.62 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.17 ft (3.100 m) below land-surface datum, Feb. 8, 1982; lowest measured, dry, Feb. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	Dry	FEB 8	10.17	MAY 18	15.13	AUG 27	17.14

331915088202001. Local number Q12. (USCE TTM 1A)
LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 141 ft (43 m), cased to 131 ft (39.9 m).
DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.52 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.37 ft (1.941 m) below land-surface datum, May. 18, 1982; lowest measured, 13.90 ft (4.237 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	6.90	FEB 8	7.59	MAY 18	6.37	AUG 27	6.52

331915088202002. Local number Q13. (USCE TTM 1B)
LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 24 ft (7.3 m), cased to 14 ft (4.3 m).
DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.58 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.35 ft (1.936 m) below land-surface datum, Jan. 31, 1979; lowest measured, 17.60 ft (5.365 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	12.64	FEB 8	9.93	MAY 18	10.60	AUG 27	12.63

CLAY COUNTY

333351088320301. Local number J97. (USCE 111A)
LOCATION.--Lat 33°35'51", long 88°32'03", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.17 S., R.7 E., 7.2 mi (11.6 km) southeast of West Point.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).
DATUM.--Land-surface datum is about 180 ft (54.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.09 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.00 ft (3.658 m) below land-surface datum, Mar. 22, 1973; lowest measured, 23.20 ft (7.071 m) below land-surface datum, Nov. 4, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
LOWEST LEVELS

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	23.14	FEB 8	22.44	MAY 18	21.39	AUG 27	21.95

333402088301001. Local number J98. (USCE 112A)
LOCATION.--Lat 33°40'20", long 88°30'10", Hydrologic Unit 03160101, NE¼SE¼ sec.30, T.17 S., R.8 E., 8.8 mi (14.2 m) southeast of West Point.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 58 ft (17.7 m), cased to 48 ft (14.6 m).
DATUM.--Land-surface datum is about 190 ft (57.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.7 ft (0.21 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft (1.463 m) below land-surface datum, Apr. 22, 1973; lowest measured, 12.63 ft (3.850 m) below land-surface datum, Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.00	12.05	12.02	11.64	10.57	9.03	8.09	7.24	8.20	9.04	9.76	10.10
10	12.00	12.06	12.01	11.51	10.25	8.83	7.96	7.25	8.26	9.23	9.83	10.26
15	12.02	12.07	11.91	11.36	10.00	8.55	7.86	7.39	8.37	9.31	9.93	10.42
20	12.06	12.04	11.92	11.26	9.75	8.36	7.68	7.61	8.51	9.45	9.78	10.53
25	12.07	12.03	11.59	11.07	9.50	8.20	7.59	7.92	8.72	9.55	9.94	10.65
EOM	12.05	12.06	11.37	10.71	9.34	8.15	7.36	8.03	8.91	9.63	9.99	10.81

Analyses of samples collected statewide are given in the following table. The analyses for wells in a given county may not appear in the same location and the counties may not appear in alphabetical order due to tabling requirements necessitated by varying parameter lists. Analyses of samples collected at additional wells in the Tennessee-Tombigbee Study Area are found in the table "Quality of Ground Water in the Tennessee-Tombigbee Study Area, Mississippi."

AQUIFER NAMES OF GEOLOGIC UNIT CODES

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES ARE GIVEN BELOW.

110	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, QUATERNARY
111	ALVM	HOLOCENE ALLUVIUM, HOLOCENE
111	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, HOLOCENE
112	MRVA	MISSISSIPPI RIVER ALLUVIAL AQUIFER, PLEISTOCENE
112	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, PLEISTOCENE
121	CRNL	CITRONELLE FORMATION, PLIOCENE
121	GRMF	GRAHAM FERRY FORMATION, PLIOCENE
122	CTHL	LOWER CATAHOULA FORMATION, MIOCENE
122	HBRG	HATTIESBURG FORMATION, MIOCENE
122	MOCN	MIOCENE SERIES, MIOCENE
122	PCGL	PASCAGOULA FORMATION, MIOCENE
123	FRHL	FOREST HILL SAND, OLIGOCENE
123	VKBG	VICKSBURG GROUP, OLIGOCENE
124	CCKF	COCKFIELD FORMATION, EOCENE
124	MDBC	MOODYS BRANCH FORMATION, EOCENE
124	SPRT	SPARTA SAND, EOCENE
124	WLCXL	LOWER WILCOX AQUIFER, EOCENE
124	WLCXM	MIDDLE WILCOX AQUIFER, EOCENE
211	COFF	COFFEE SAND, UPPER CRETACEOUS
211	COKR	COKER FORMATION, UPPER CRETACEOUS
211	EUTW	EUTAW FORMATION, UPPER CRETACEOUS
211	EUTWL	LOWER EUTAW FORMATION, UPPER CRETACEOUS
211	EUTWR	EUTAW FORMATION (RESTRICTED), UPPER CRETACEOUS
211	GORD	GORDO FORMATION, UPPER CRETACEOUS
211	MCSN	MCSHAN FORMATION, UPPER CRETACEOUS
211	MSSV	MASSIVE SAND, UPPER CRETACEOUS
211	RPLY	RIPLEY FORMATION, UPPER CRETACEOUS
300	PLZC	PALEOZOIC ERATHEM, PALEOZOIC
331	TCMB	TUSCUMBIA LIMESTONE, UPPER MISSISSIPPIAN
337	FRPN	FORT PAYNE CHERT, LOWER MISSISSIPPIAN

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)
			ADAMS						
313120091251501	C033 DIAMOND 3	122MOCN	655	82-06-16	1030	--	600	7.1	22.5
313120091251503	C035 DIAMOND CORP	122MOCN	679	82-06-16	1000	--	600	6.5	22.0
313400091210003	D019 OAKLAND WTR WKS	122MOCN	135	82-06-14	1700	--	600	--	--
313403091170201	D040 BRYANDALE INC	122CTHL	1053	82-06-15	1900	220.00	515	7.8	23.5
313618091202301	D052 MISS POWER AND LT	122MOCN	433	82-06-14	1400	110.08	556	--	--
			AMITE						
311055091000901	L030 WILK-AMITE W A	122MOCN	420	82-01-21	1400	--	50	5.9	20.0
			ATTALA						
325951089462401	Q041 SALLIS W A	124WLCXM	1130	82-07-07	1400	--	526	8.2	26.5
			COPIAH						
315414090135701	L020 D&B GRAVEL CO	122MOCN	380	82-08-13	1200	174.00	157	6.4	19.5
315914090190401	E059 KINGS SD&GRAVEL	122CTHL	310	82-06-11	1000	171.04	220	7.6	20.5
			FORREST						
312421089235901	A069 RAWLS SPGS W A	122CTHL	910	82-07-08	1600	88.00	270	8.5	24.0
			HINDS						
322345090044501	H099 805 RIDGEWAY	124MDBC	--	82-06-25	0900	--	1110	8.7	22.0
			ISSAQUENA						
325706090554001	A074 CARTER BROS	112MRVA	110	82-08-27	1700	--	--	7.0	18.0
			JACKSON						
302600088491701	N279 SUBURBAN UTL CO	122PCGL	1179	82-09-01	1040	--	2030	3.6	30.0
			JEFFERSON						
314522090580901	J009 LORMAN W A	122CTHL	670	82-07-20	1100	211.00	465	7.9	24.5
			JONES						
314715089054303	C144 SHARON W A	124CCKF	76	82-06-10	1200	98.00	865	8.5	25.5
			LAMAR						
310253089235301	0073 BASS PECAN CO	122HBRG	358	82-09-26	1330	--	99	6.0	21.0
			MADISON						
322454090060701	W059 RIDGELAND	124CCKF	720	82-08-03	1530	--	606	7.6	25.0
323138089583001	U024 MS GAME & FISH	124CCKF	520	82-07-21	1300	125.00	360	6.9	20.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	DATE OF SAMPLE	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)
					ADAMS						
313120091251501	82-05-16	<1	6	.00	1.3	.6	150	97	29	3.9	300
313120091251503	82-06-16	<1	3	.00	.9	.3	150	98	36	2.7	307
313600091210003	82-06-14	<1	291	.00	67	30	9.1	6	.2	1.1	313
313603091170201	82-06-16	5	2	.00	.4	.2	130	99	45	1.6	262
313618091202301	82-06-14	<1	256	4.0	63	24	13	0	.4	2.4	--
					AMITE						
311055091000901	82-01-21	3	13	.00	3.4	1.1	4.4	40	.5	1.1	13
					ATTALA						
325951089462401	82-07-07	20	4	.00	1.2	.2	130	93	30	.8	274
					COPIAH						
315414090135701	82-08-13	25	3	.00	.5	.4	32	94	8.8	1.6	62
315914090190401	82-06-11	2	5	.00	1.1	.4	50	94	11	2.0	109
					FORREST						
312421089235901	82-07-08	3	2	.00	.6	.1	54	93	22	.8	127
					HINDS						
322345090044501	82-06-25	8	12	.00	2.9	1.2	250	97	32	2.8	344
					ISSAQUENA						
325706090554001	82-08-27	5	473	69	130	36	25	10	.5	1.3	404
					JACKSON						
302600088491701	82-09-01	10	26	.00	9.6	.4	400	97	36	1.9	260
					JEFFERSON						
314622090580901	82-07-20	5	1	--	.3	.2	120	99	45	1.6	244
					JONES						
314716089054303	82-06-10	17	8	.00	1.9	.7	210	98	34	3.2	389
					LAMAR						
310253089235301	82-09-26	10	18	.00	4.7	1.4	12	56	1.3	2.2	40
					MADISON						
322454090060701	82-08-03	5	2	.00	.6	.2	130	98	37	1.8	218
323133089583001	82-07-21	120	35	.00	9.8	2.6	64	78	4.9	2.4	117

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	DATE OF SAMPLE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
				ADAMS					
313120091251501	82-06-16	15	6.2	.1	44	398	399	150	27
313120091251503	82-06-16	14	4.9	<.1	45	403	403	71	15
313400091210003	82-06-14	4.0	6.0	.3	29	340	334	<3	<1
313403091170201	82-06-16	2.0	8.4	.5	47	352	347	130	6
313618091202301	82-06-14	11	4.1	.2	39	332	--	1100	95
				AMITE					
311055091000901	82-01-21	.3	5.7	<.1	13	50	42	120	7
				ATTALA					
325951089462401	82-07-07	2.0	4.9	<.1	15	341	319	160	8
				COPIAH					
315414090135701	82-08-13	12	3.3	<.1	48	124	136	620	22
315914090190401	82-06-11	12	1.9	.2	43	175	176	190	28
				FORREST					
312421089235901	82-07-09	11	2.3	.3	33	205	188	50	2
				HINDS					
322345090044501	82-06-25	74	99	1.5	11	670	649	17	5
				ISSAQUENA					
325706090554001	82-08-27	78	9.8	.2	37	--	569	7500	920
				JACKSON					
302600088491701	82-09-01	6.0	480	.5	16	1160	1070	40	10
				JEFFERSON					
314622090580901	82-07-20	2.0	4.3	.5	63	332	339	280	8
				JONES					
314716089054303	82-06-10	35	17	.8	12	532	514	46	7
				LAMAR					
310253089235301	82-09-26	7.0	3.3	<.1	55	112	110	24	1
				MADISON					
322456090060701	82-08-03	37	23	.2	20	397	349	130	4
323138089583001	82-07-21	40	8.0	.1	54	281	260	9100	140

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)
			PERRY						
311433089024601	G032 LEAF RIVER PULPWOOD	122MOCN	437	82-08-31	1530	--	304	8.0	21.5
			RANKIN						
322024090040201	F060 FLOWOOD	124SPRT	1064	82-07-29	1300	179.00	360	8.5	31.0
322032089580201	G042 LANGFORD W A	124SPRT	1302	82-07-01	1500	273.00	310	8.3	30.0
322032089582301	G003 LANGFORD W A	124CCKF	772	82-07-01	1300	--	361	7.4	25.5
322130090005901	G035 NORANCO UTIL	124CCKF	651	82-07-01	1115	193.00	498	7.4	25.0
322214089594201	G044 NORANCO UTIL	124CCKF	710	82-07-01	1600	177.00	481	7.4	25.5
322406089574501	C034 FANNIN W A	124SPRT	1190	82-07-01	1245	221.00	334	8.4	28.5
322810089542001	D021 C H WRIGHT	124SPRT	846	82-07-29	1500	--	525	8.5	24.0
322905089525501	A023 PISGAH W A	124CCKF	442	82-07-29	1400	148.00	476	6.8	21.0
			SCOTT						
323320089432001	A027 J D MCFARLAND	124SPRT	706	82-09-09	1530	--	560	7.6	20.0
323728089443801	A022 PEARL R WTR DIST	124SPRT	593	82-09-09	1500	--	133	7.0	--
			SHARKEY						
325603090484801	C083 S M MCKINNEY	112MRVA	110	82-08-27	1400	--	843	7.0	19.5
325741090531701	C064 SAM HARRIS	112MRVA	112	82-08-27	1300	--	799	7.1	19.5
			WASHINGTON						
331513090560501	L085 W C SKATES	112MRVA	110	82-08-26	1215	--	1070	7.1	18.0
331617090571201	H093 FARM FRESH	112MRVA	110	82-08-26	1600	--	938	7.0	18.0
			WAYNE						
314909088452201	B035 HIWANNEE W A	124WLCXL	2777	82-09-08	1430	--	1230	8.6	37.5
315011088413601	C058 WAYNESBORO	124WLCXL	2432	82-09-08	1600	--	960	8.6	35.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	DATE OF SAMPLE	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)
					PERRY						
311438089024601	82-08-31	15	1	.00	.4	.1	68	99	26	.2	137
					RANKIN						
322024090040201	82-07-20	7	1	.00	.3	.0	92	99	48	.2	134
322032089580201	82-07-01	3	1	.00	.2	.1	86	99	41	.7	167
322032089582301	82-07-01	4	7	.00	1.6	.7	39	96	15	1.7	152
322130090005901	82-07-31	5	3	.00	.8	.3	110	98	27	1.1	196
322214089594201	82-07-01	6	3	.00	.8	.2	110	98	29	1.1	190
322406089574501	82-07-01	16	1	.00	.3	.1	74	99	34	.2	166
322810089542001	82-07-29	110	44	.00	12	3.5	120	85	8.1	1.6	249
322905089525501	82-07-29	<1	145	.00	40	11	45	40	1.7	3.6	172
					SCOTT						
323320089432301	82-09-09	20	119	.00	34	8.4	86	59	3.6	12	319
323728089443801	82-09-09	9	17	.00	5.1	1.0	22	71	2.4	1.9	53
					SHARKEY						
325608090484801	82-08-27	6	402	.00	110	31	22	11	.5	3.2	423
325741090531701	82-08-27	8	332	59	110	26	29	14	.7	1.6	--
					WASHINGTON						
331518090560501	82-08-26	5	431	100	120	32	66	25	1.4	2.2	329
331617090571201	82-08-26	5	369	--	100	29	53	24	1.2	2.0	--
					WAYNE						
314909088452201	82-09-08	10	8	.00	2.6	.3	300	99	49	1.3	332
315011088413601	82-09-08	15	6	.00	1.9	.3	240	99	44	1.1	308

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	DATE OF SAMPLE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
				PERRY					
311438089024601	82-08-31	5.0	5.8	.4	14	194	176	71	12
				RANKIN					
322024090060201	82-07-20	6.0	2.2	.2	17	253	228	22	<1
322032089530201	82-07-01	10	2.3	.1	24	233	224	23	1
322032089592301	82-07-01	26	9.6	.2	30	259	250	100	8
322130090005901	82-07-01	31	16	.3	25	323	302	160	21
322214089594201	82-07-01	32	15	.2	27	316	300	200	19
322406089574501	82-07-01	9.0	2.2	.2	34	235	219	13	1
322810089542001	82-07-29	22	8.4	.3	20	352	340	2400	100
322905089525501	82-07-29	60	9.0	.1	48	319	322	1800	290
				SCOTT					
323320089432001	82-09-09	3.0	2.0	.2	37	328	376	2100	25
323728089443801	82-09-09	9.0	5.0	<.1	46	102	122	390	14
				SHARKEY					
325608090434301	82-08-27	38	9.5	.3	33	--	506	3400	1600
325741090531701	82-08-27	70	11	.3	33	481	--	5400	390
				WASHINGTON					
331518090560501	82-08-26	160	53	.2	35	--	672	6100	450
331617090571201	82-08-26	96	27	.3	34	450	--	7300	380
				WAYNE					
314909088452201	82-09-08	7.0	210	.7	19	--	740	85	3
315011088413601	82-09-08	7.0	150	.7	17	571	603	8	<1

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAM- PLING CONDI- TION	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)
QUITMAN									
342451090140201	C047 WALTER MAYO	124SPRT	230	81-10-07	1200	30	8.00	250	6.5
342615090144201	A056 H HOUZE	112MRVA	90	81-10-07	0900	30	8.00	520	7.2

STATION NUMBER	DATE OF SAMPLE	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
342451090140201	81-10-07	17.5	5	91	.00	24	7.6	12	21	.6	6.2
342615090144201	81-10-07	17.5	<1	250	10	64	22	12	9	.3	1.2

STATION NUMBER	DATE OF SAMPLE	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
342451090140201	81-10-07	120	7.3	1.8	<.1	56	183	192	3000	1	<10
342615090144201	81-10-07	240	.1	28	.2	37	292	317	1000	2	<10

STATION NUMBER	DATE OF SAMPLE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, DIS- SOLVED (UG/L AS NI)
342451090140201	81-10-07	2	9	1	1700	<1	20	150	<.1	1
342615090144201	81-10-07	1	2	1	6700	<1	<10	320	.1	1

STATION NUMBER	DATE OF SAMPLE	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
342451090140201	81-10-07	<1	70	.5
342615090144201	81-10-07	<1	310	.8

QUALITY OF GROUND WATER IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

Analyses of samples collected in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. This table includes analyses of samples collected from wells located in disposal areas consisting of excavated material from the Divide Cut Section of the Tenn-Tom Waterway. Also, a few miscellaneous analyses collected in the study area are found in the general table "Quality of Ground Water."

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)
				ITAWAMBA					
341232088225301	L019 USCE 74B(BENSON)	112TRCS	16	82-05-19	1130	5.80	79	5.1	16.0
341232088225302	L014 USCE 74A	211GORD	150	82-05-19	1100	20.82	59	6.5	16.5
341610088264801	G065 USCE 67A	211GORD	179	82-05-18	1815	23.22	139	6.0	17.0
341610088264802	G066 USCE 67B	211EUTW	71	82-05-18	1730	17.43	121	6.6	16.5
342245088332501	E006 USCE 64A	211GORD	106	82-05-18	1600	51.38	56	6.1	17.5
				LOWNDES					
332935088282001	F073 USCE TTM2A	211EUTW	162	82-05-20	1200	24.10	590	8.0	18.5
332935088282002	F074 USCE TTM2B	111ALVM	19	82-05-20	1230	16.10	66	6.6	17.0
				MONROE					
334910088311501	L073 USCE TTM6A	211EUTW	177	82-05-20	1000	24.22	192	5.9	18.5
334910088311502	L074 USCE TTM6B	111ALVM	26	82-05-20	1030	9.60	85	5.5	16.5
335445088312501	H017 USCE TTM5A	211EUTW	90	82-05-19	1545	9.70	108	7.4	18.5
335445088312502	H018 USCE TTM5B	111ALVM	26	82-05-19	1615	9.22	93	5.3	16.0
340054088281801	C059 USCE 95A	211GORD	156	82-05-19	1345	12.80	35	6.5	18.0
340056088283001	C066 USCE 94A	111ALVM	20	82-05-19	1245	0.08	88	6.1	16.0
				PRENTISS					
342838088215001	H028 USCE GW123A	111ALVM	23	82-05-18	1000	4.60	132	5.7	15.0
342917088212701	H020 USCE 51A	211GORD	64	82-05-18	1200	32.42	63	6.0	16.5
343948088332801	F043 BOONEVILLE	211EUTW	495	82-05-20	1545	--	240	7.5	18.5
344251088323001	B034 THRASHER W A	211EUTW	514	82-05-24	1500	195.00	262	7.3	18.5
344310088320201	B033 THRASHER SCHOOL	211EUTWR	443	82-05-24	1600	--	278	6.8	19.0
				TISHOMINGO					
342854088194102	L033 USCE 56B	111ALVM	12	82-05-18	1445	--	27	5.1	14.5
343614088103001	K001 TISHOMINGO PARK	300PLZC	150	82-05-25	1030	19.10	300	6.8	16.5
344017088180402	J018 USCE 31A	211GORD	178	82-05-25	1315	38.27	120	9.6	17.0
344017088180403	J019 USCE 31B	211EUTWR	74	82-05-25	1400	11.36	65	5.6	16.0
344218088184302	G040 USCE 22B	211EUTWR	240	82-05-26	1300	176.25	110	6.4	18.5
344253088162802	G015 USCE 25A	211GORD	235	82-05-26	1100	119.96	99	6.4	17.0
344253088162803	G016 USCE 25B	211EUTWR	200	82-05-26	0930	108.21	36	5.8	16.5
344617088211901	D051 USCE 11D	211EUTW	210	82-05-26	1630	94.79	109	7.2	16.5
344638088203104	D062 USCE 12C	211EUTWR	98	82-05-25	1745	54.90	141	6.5	17.0
344834088111601	F001 H M BIGGS	211GORD	113	82-05-25	1600	38.74	78	6.9	16.5
344849088120401	E006 IUKA	337FRPN	360	82-05-25	0930	--	26	5.2	16.5
345007088185801	D024 BURNSVILLE	300PLZC	246	82-05-25	0800	--	94	5.8	17.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	DATE OF SAMPLE	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
					ITAWAMBA						
341232088225301	82-05-19	7	23	.00	--	--	7.9	.7	4.8	29	.5
341232088225302	82-05-19	<1	25	.00	--	--	7.4	1.5	1.6	11	.1
341610088264801	82-05-18	2	59	.00	--	--	20	2.1	1.3	4	.1
341610088264802	82-05-18	<1	45	.00	--	--	14	2.4	6.8	23	.5
342245088232501	82-05-18	<1	21	.00	--	--	6.1	1.3	1.5	13	.1
					LOWNDES						
332935088282001	82-05-20	5	32	.00	--	--	9.3	2.2	110	86	8.7
332935088282002	82-05-20	1	19	7.0	--	--	5.5	1.3	4.8	33	.5
					MONROE						
334910088311501	82-05-20	3	71	.00	--	--	22	3.8	9.0	21	.5
334910088311502	82-05-20	5	19	8.0	--	--	4.8	1.7	6.5	41	.7
335445088312501	82-05-19	2	45	.00	--	--	14	2.5	1.9	8	.1
335445088312502	82-05-19	<1	28	26	--	--	4.9	3.8	2.3	14	.2
340054088281801	82-05-19	3	34	.00	--	--	9.6	2.5	2.3	11	.2
340056088283001	82-05-19	--	21	7.0	--	--	5.1	1.9	11	52	1.1
					PRENTISS						
342938088215001	82-05-18	130	12	10	--	--	3.4	.9	24	78	3.1
342917088212701	82-05-18	<1	24	.00	--	--	6.1	2.1	2.0	15	.2
343943088332801	82-05-20	3	124	9.0	--	--	39	6.5	8.4	12	.3
344251088323001	82-05-24	<1	112	.00	--	--	36	5.4	7.5	12	.3
344310088320201	82-05-24	<1	106	.00	<1.0	--	34	5.1	7.0	12	.3
					TISHOMINGO						
342354088194102	82-05-18	2	4	.00	--	--	1.2	.3	2.0	45	.4
343614088103001	82-05-25	<1	101	.00	<1.0	--	34	3.9	19	29	.9
344017088180402	82-05-25	<1	0	.00	--	--	3.6	.2	19	74	2.8
344017088180403	82-05-25	5	18	.00	.3	15	5.4	1.2	2.9	23	.3
344218088184302	82-05-26	1	39	.00	.3	15	14	.9	3.3	15	.2
344253088162802	82-05-26	<1	13	.00	.1	5.0	3.6	.9	3.2	32	.4
344253088162803	82-05-26	<1	9	.00	.2	9.9	1.9	1.0	1.9	29	.3
344617088211901	82-05-26	<1	31	.00	--	--	9.9	1.5	2.5	14	.2
344538088200104	82-05-25	3	41	.00	<.1	--	12	2.7	7.1	26	.5
344834088111601	82-05-25	2	26	.00	.3	15	8.4	1.2	1.5	10	.1
344349088123401	82-05-25	<1	8	.00	<.1	--	2.0	.7	1.2	23	.2
345007088185801	82-05-25	5	31	.00	<.1	--	9.0	2.0	1.4	9	.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	DATE OF SAMPLE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
					ITAWAMBA						
341232088225301	82-05-19	2.7	23	2.0	1.8	<.1	12	59	46	3.2	570
341232088225302	82-05-19	2.0	27	3.0	1.3	.2	8.6	33	52	<.10	13000
341510088264801	82-05-18	2.2	64	1.0	1.8	<.1	10	75	161	<.10	94000
341610088264802	82-05-18	3.1	57	9.0	1.5	.2	9.6	74	81	<.10	690
342245088232501	82-05-18	1.4	22	5.0	1.1	.2	8.6	32	54	<.10	16000
					LOWNDES						
332935088282001	82-05-20	5.3	217	2.0	42	.5	7.9	323	309	<.10	4800
332935088282002	82-05-20	1.3	12	10	2.7	<.1	12	48	45	1.1	48000
					MONROE						
334910088311501	82-05-20	3.4	95	1.0	3.9	.2	28	121	123	.27	21000
334910088311502	82-05-20	1.0	11	3.0	3.0	<.1	22	72	49	4.2	16000
335445088312501	82-05-19	1.4	47	6.0	1.2	.2	22	63	79	<.10	7700
335445088312502	82-05-19	1.5	2.0	1.0	3.6	<.1	7.6	--	26	8.2	6300
340054088291801	82-05-19	4.1	39	4.0	2.1	.2	13	50	74	<.10	20000
340056088283001	82-05-19	1.3	14	11	11	.2	17	71	34	<.10	--
					PRENTISS						
342838088215001	82-05-18	2.3	2.0	1.0	39	.1	11	86	86	.22	9500
342917088212701	82-05-18	.9	28	3.0	2.2	<.1	8.6	--	54	<.10	12000
343948088332801	82-05-20	3.7	115	12	9.5	.1	11	174	159	<.10	300
344251088323001	82-05-24	3.5	116	11	9.1	<.1	15	161	157	.31	490
344310088320201	82-05-24	3.8	110	11	10	<.1	12	169	149	.31	500
					TISHOMINGO						
342854088194102	82-05-18	.9	5.0	4.0	2.5	<.1	8.4	--	22	<.10	2200
343614088103001	82-05-25	1.0	107	6.0	27	.2	8.1	177	163	.12	590
344017088180402	82-05-25	3.3	48	11	1.5	<.1	26	92	94	.32	80
344017088180403	82-05-25	1.9	22	9.0	1.5	<.1	26	66	62	.12	2500
344218088184302	82-05-26	1.5	41	11	1.2	<.1	33	98	90	.32	640
344253088162802	82-05-26	1.8	21	5.0	1.3	<.1	33	66	74	.29	12000
344253088162803	82-05-26	1.1	10	3.0	1.0	<.1	20	47	42	.26	1200
344617088211901	82-05-26	2.5	34	<1.0	2.7	.1	1.1	--	87	.30	58000
344633088200104	82-05-25	3.0	58	7.0	2.1	.2	32	97	102	<.10	1400
344834088111601	82-05-25	1.5	31	3.0	1.1	<.1	9.7	48	61	.30	17000
344849088120401	82-05-25	.6	13	1.0	1.3	<.1	8.5	27	24	<.10	--
345007088185301	82-05-25	1.7	32	6.0	1.2	.2	8.5	55	66	<.10	19000

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

STATION NUMBER	DATE OF SAMPLE	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
			ITAWAMBA			
341232088225301	82-05-19	530	45	30	20	9
341232088225302	82-05-19	3000	10000	340	30	310
341610088264301	82-05-19	11000	83000	980	140	840
341610088264802	82-05-18	530	160	50	40	12
342245088232501	82-05-18	1000	15000	460	40	420
			LOWNDES			
332935088282001	82-05-20	4800	38	100	80	24
332935088282002	82-05-20	48000	440	530	510	18
			MONROE			
334910088311501	82-05-20	20000	590	550	220	330
334910088311502	82-05-20	16000	470	310	130	180
335445088312501	82-05-19	6900	820	840	240	600
335445088312502	82-05-19	6300	23	280	250	31
340054088281801	82-05-19	7000	13000	390	170	210
340056088233001	82-05-19	--	16000	890	220	670
			PRENTISS			
342838088215001	82-05-18	5500	3000	3100	2900	250
342917088212701	82-05-18	0	12000	650	50	600
343948088332801	82-05-20	90	210	150	20	130
344251088323001	82-05-24	260	230	90	0	89
344310088320201	82-05-24	100	400	130	0	130
			TISHOMINGO			
342854088194102	82-05-19	--	<9	440	410	32
343614088103001	82-05-25	530	58	50	0	51
344017088180402	82-05-25	60	16	<10	--	1
344017088180403	82-05-25	900	1600	60	5	55
344218088184302	82-05-26	10	630	170	0	170
344253088162802	82-05-26	0	12000	420	10	410
344253088162803	82-05-26	590	610	20	0	20
344617088211901	82-05-26	13000	45000	1200	0	1200
344638088200104	82-05-25	200	1200	410	30	380
344834088111601	82-05-25	2000	15000	810	50	760
344849088120401	82-05-25	0	440	<10	--	52
345007088185801	82-05-25	3000	16000	1000	0	1000

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

TISHOMINGO COUNTY

STATION NUMBER	STATION NAME	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SAMPLE SOURCE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
343855088155380	J071 USCE 1704-A DISPOSAL AREA WELL	32	81-10-16	1205	1004	29.20
		32	82-02-05	1130	1004	26.50
		32	82-04-07	1245	1004	26.58
		32	82-09-10	0900	1004	--
343855088155381	J072 USCE 1704-B DISPOSAL AREA WELL	21	81-10-16	1230	1004	15.94
		21	82-02-05	1100	1004	15.70
		21	82-04-07	1300	1004	12.65
		21	82-09-10	0905	1004	--
344047088171981	J070 USCE 1507-B DISPOSAL AREA WELL	19	81-10-16	1100	1004	11.87
		19	82-02-05	0910	1004	15.20
		19	82-04-07	1215	1004	12.18
		19	82-09-10	1000	1004	--
344154088173181	G091 USCE 1501-B DISPOSAL AREA WELL	30	81-10-16	1000	1004	23.75
		30	82-02-05	1440	1004	15.00
		30	82-04-07	1030	1004	11.96
		30	82-09-10	1115	1004	--
345428088161980	B032 USCE 602A-A DISPOSAL AREA WELL	34	81-10-16	0840	1004	28.12
		34	82-02-05	1300	1004	26.95
		34	82-04-07	0900	1004	25.88
		34	82-09-10	1245	1004	--

STATION NUMBER	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARBONATE (MG/L AS CACO3)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
343855088155380	81-10-16	375	5.9	18.5	6	151	120	.4	20	39	13
	82-02-05	257	5.5	16.5	5	111	86	.1	5.0	28	10
	82-04-07	560	5.5	17.0	2	250	220	.8	40	59	25
	82-09-10	590	5.5	19.0	7	287	260	.2	9.9	67	29
343855088155381	81-10-16	1050	5.3	20.0	6	453	--	2.8	139	122	36
	82-02-05	1100	5.2	16.0	15	567	510	2.2	109	156	43
	82-04-07	1150	5.3	14.5	7	461	460	5.0	248	122	38
	82-09-10	1140	5.4	21.0	--	477	460	1.8	89	130	37
344047088171981	81-10-16	483	5.3	20.5	7	172	99	1.4	70	39	18
	82-02-05	570	5.2	16.0	3	280	180	.1	5.0	66	28
	82-04-07	530	5.3	14.5	8	192	170	1.3	65	44	20
	82-09-10	421	5.5	22.0	--	167	99	.9	45	37	18
344154088173181	81-10-16	2690	5.0	19.0	4	1224	1200	17	844	340	91
	82-02-05	3000	3.1	16.0	25	1768	1800	17	844	510	120
	82-04-07	3300	3.2	14.0	32	944	--	15	745	180	120
	82-09-10	2720	4.3	20.5	17	1377	--	6.8	338	390	98
345428088161980	81-10-16	182	6.3	16.5	5	25	.00	.3	15	5.7	2.6
	82-02-05	474	6.0	16.5	10	98	.00	2.1	104	21	11
	82-04-07	246	6.2	15.0	4	49	.00	2.2	109	11	5.2
	82-09-10	169	6.0	19.0	--	28	.30	1.3	65	6.1	3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

TISHOMINGO COUNTY

STATION NUMBER	DATE OF SAMPLE	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
343855088155380	81-10-16	10	12	.4	4.2	28	150	2.5	<.1	19	264
	82-02-05	9.0	14	.4	3.7	25	90	2.9	<.1	20	179
	82-04-07	9.6	8	.3	5.2	26	260	3.2	<.1	21	423
	82-09-10	8.8	6	.2	4.9	26	310	3.7	<.1	22	453
343855088155381	81-10-16	7.2	3	.2	11	<1.0	590	2.3	<.1	21	966
	82-02-05	7.6	3	.1	11	27	640	2.4	<.1	21	1020
	82-04-07	7.3	3	.2	10	5.0	660	2.2	<.1	22	1000
	82-09-10	6.2	3	.1	12	16	640	3.7	<.1	23	951
344047088171981	81-10-16	7.7	9	.3	6.1	38	160	3.3	<.1	16	323
	82-02-05	11	8	.3	6.7	--	220	3.5	<.1	15	395
	82-04-07	9.2	9	.3	6.0	25	230	3.6	<.1	14	370
	82-09-10	7.1	8	.2	6.3	68	140	3.9	<.1	16	314
344154088173181	81-10-16	10	2	.1	20	5.0	1800	15	<.1	29	2950
	82-02-05	9.1	1	.1	20	1.0	2300	12	<.1	30	3780
	82-04-07	9.0	2	.1	22	<1.0	1600	12	<.1	29	3670
	82-09-10	8.1	1	.1	21	<1.0	1800	14	.1	29	2850
345428088161980	81-10-16	3.0	20	.3	1.0	37	6.3	3.8	<.1	3.4	84
	82-02-05	3.8	8	.2	1.5	--	7.5	4.5	<.1	3.1	195
	82-04-07	3.0	11	.2	1.4	97	5.0	4.5	<.1	8.3	103
	82-09-10	2.7	17	.2	1.2	53	22	3.4	<.1	3.7	101

STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
343855088155380	81-10-16	256	.04	11000	11000	440	1300	0	1300
	82-02-05	183	.01	3100	0	3100	1200	0	1200
	82-04-07	402	.10	7400	6400	1000	2400	0	2400
	82-09-10	464	<.10	2600	2200	390	7500	5200	2300
343855088155381	81-10-16	865	.13	80000	12000	68000	7000	0	7000
	82-02-05	975	.07	70000	0	70000	8100	200	7900
	82-04-07	958	.10	90000	3000	87000	8000	1100	6900
	82-09-10	951	<.10	82000	0	83000	7500	600	6900
344047088171981	81-10-16	309	.04	33000	0	33000	2800	0	2800
	82-02-05	--	.03	58000	0	58000	5200	0	5200
	82-04-07	346	.10	1800	0	1800	2400	0	2400
	82-09-10	297	<.10	27000	1000	26000	1800	200	1600
344154088173181	81-10-16	2570	.12	220000	0	220000	41000	1000	40000
	82-02-05	3127	.18	63000	1000	62000	63000	0	63000
	82-04-07	--	.13	320000	0	320000	62000	0	62000
	82-09-10	2600	<.10	190000	0	190000	47000	0	47000
345428088161980	81-10-16	148	.02	160000	70000	90000	8400	3400	5000
	82-02-05	393	.12	59000	0	59000	32000	0	32000
	82-04-07	225	.55	110000	0	110000	18000	0	18000
	82-09-10	177	<.10	93000	0	93000	6400	900	5500

Stations to collect precipitation-quality data are operated to provide concerned agencies vital information pertaining to variations in precipitation chemistry in selected areas of Mississippi. The types of data obtained may be used for precipitation quality assessments of state and national interest. Samples are collected weekly on Tuesday and the analytical data are the results of composite precipitation analysis. An automatic wet/dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with an automatic precipitation sensitive sensor which activates the motor to operate the sample vessel cover. The sample vessel remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected for analyses. The 3.4 gal (12.9 L) sample collecting vessel has a 11.3 in (287.0 mm) diameter opening. A standard 8.0 in (203.2 mm) Universal Recording Rain Gage (weighing type) is used to obtain on-site precipitation records.

PRECIPITATION QUALITY STATION NEAR JANICE, MS

LOCATION.--Lat 31 01 52 , long 88 59 09 , in NW NW SE sec.22, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, at U.S. Forest Service's Erambert Seed Orchard, on State Highway 29, 3.4 mi (5.5 km) east of Janice.

PERIOD OF RECORD.--February to September 1982.

INSTRUMENTATION.--Automatic sensing wet/dry precipitation collector and universal recording rain gage since February 1982.

REMARKS.--Sample preparation and field measurements by local observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PRECIP-ITATION INCHES	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)
FEB			
23-			
MAR			
-02	.70	22	4.4
02-09	.65	28	4.5
09-16	.00	--	--
16-23	.20	37	4.3
23-30	.28	25	3.7
30-			
APR			
-06	1.4	7	4.5
06-13	.23	40	3.6
13-20	.24	--	--
20-27	4.9	--	--
27-			
MAY			
-04	.00	--	--
04-11	.10	19	4.7
11-18	.07	32	5.3
18-25	.80	42	4.1
25-			
JUN			
-01	.14	32	4.3
01-08	1.3	21	4.4
08-15	.40	22	4.7
JUN			
15-22	1.8	20	4.1
22-29	.63	22	4.2
29-			
JUL			
-06	1.2	21	4.4
06-13	1.7	24	4.3
13-20	1.7	13	4.5
20-27	.24	34	4.1
27-			
AUG			
-03	1.7	13	4.6
03-10	1.5	24	4.1
10-17	2.6	14	4.5
17-24	.00	--	--
24-31	.60	22	4.1
31-			
SEP			
-07	.00	--	--
07-14	1.9	12	4.6
14-21	.00	--	--
21-28	.05	--	--
28-30	.00	--	--

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DISSOLV (UG/L)	CHLO-RIDE DISSOLV (UG/L)	FLUO-RIDE DISSOLV (UG/L)	BROMIDE DISSOLV (UG/L)	NITRO-GEN NITRATE DISSOLV (UG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
MAR											
30-											
APR											
-06	.2	.1	.4	.0	870	520	<10.0	<100	140	.131	--
MAY											
18-25	.2	.1	.4	.1	3370	870	<10.0	<100	530	.221	<.001
25-											
JUN											
-01	.2	.2	1.7	.3	2150	2920	<10.0	<100	510	.160	<.001
01-08	.1	.0	.2	.1	1710	390	<10.0	<100	170	.007	.010
08-15	.2	.0	.2	.1	2070	480	<10.0	<100	290	.276	.005
15-22	.2	.1	.2	.0	1500	250	<10.0	<100	270	.128	.008
22-29	.3	.0	.5	.0	2080	880	<10.0	<100	240	.036	.008
29-											
JUL											
-06	.2	.0	.1	.0	1440	560	<10.0	<100	240	.126	.006
06-13	.0	.0	.2	.0	2190	360	<10.0	<100	350	.150	.002
13-20	.0	.0	.2	.0	980	250	<10.0	<100	210	.010	.010
27-											
AUG											
-03	.1	.0	.2	.0	860	200	<10.0	<100	180	.019	.005
03-10	.0	.0	.2	.1	2310	280	<10.0	<100	210	.029	.029
10-17	.2	.0	.1	.1	1320	290	<10.0	<100	140	.011	.001
24-31	.1	.0	.2	.0	2390	<200	<10.0	<100	310	.139	.015
SEP											
07-14	.3	.1	.3	.0	1090	290	<10.0	<100	80.0	.014	.022

INDEX.

Page

Aberdeen, Buttahatchee River near.............. 59
  James Creek at.............................. 58
  Nichols Creek near.......................... 57
  Tombigbee River at.......................... 54-56
Acre-foot, definition of...................... 4
Agricola, Escatawpa River near................ 105
Albritton Creek near Brookhaven............... 197
  near Bogue Chitto........................... 218-219
Algae, definition of.......................... 4
Amite River near Darlington, LA............... 182
Amory, Tombigbee River near................... 51-53
Analyses of samples collected at water-quality partial-record stations........................ 202-203
Analyses of samples collected at miscellaneous sites... 204-225
Analyses of samples collected during short-term water-quality studies....................... 226-238
  Muddy Bayou study near Alcorn............... 237-238
  Pascagoula and Escatawpa Rivers study near Pascagoula.................................. 226-236
Aquifer, definition of........................ 4
Aquifer names of Geologic Unit Codes.......... 326
Artesian, definition of....................... 4
Arundel, Okatibbee Creek at................... 86-87

Bacteria, definition of....................... 4
  Fecal coliform, definition of............... 4
  Fecal streptococcial, definition of......... 4
Base flow, definition of...................... 4
Bay Springs Lock and Dam, Mackeys Creek below.. 23-35
Bayou Pierre basin, crest-stage partial-record stations in................................. 190
  hydrologic-data station records in.......... 176
Bayou Pierre near Willows..................... 176
Bes Chitto near Ackerman...................... 196
  near Weir................................... 204-207
Bed material, definition of................... 4
Benndale, Pascagoula River near............... 96-97
Big Black River basin, crest-stage partial-record stations in.......................... 190
  hydrologic-data station records in.......... 172-175
  discharge measurements at miscellaneous sites in................................. 198-199
Big Black River at West....................... 172
  near Bovina................................. 173-175
Big Brown Creek near Booneville............... 20
Big Bywy Ditch near Mathiston.............198, 208-211
Big Creek near Bogue Chitto................... 218-219
  near Brookhaven............................. 197
  near Sturgis................................ 204-207
Big Creek tributary near Laurel............... 185
Big Sand Creek tributary near North Carrollton. 189
Bigbee, Tombigbee River at.................... 45
Biloxi River basin, crest-stage partial-record stations in................................. 186
  hydrologic-data station records in.......... 106
Biloxi River at Wortham....................... 106
  near Lyman.................................. 186
Biochemical oxygen demand, definition of...... 4
Black Branch at Paden.....................192, 202-203
Black Creek near Brooklyn..................... 98
  near Purvis................................. 195
  near Wiggins................................ 103
Blackwater Creek near Fearns Springs......192, 204,207
Blytha Creek near Mathiston................... 198
  near Reform................................. 208-211
Bogalusa, LA, Pearl River near................ 128
Boggans Ditch near Mendenhall................. 188
Bogue Chitto near Brookhaven.................. 218-219
  near Johnstons Station...................... 218-219
  near McComb................................. 197
  near Pricedale.............................. 220-221
  near Tylertown.............................. 129
Bogue Fallah Creek tributary near Ackerman.... 184
Bogue Homo near Richton....................... 82
Boone Creek near Bogue Chitto................. 218-219
  near Brookhaven............................. 197
Booneville, Big Brown Creek near.............. 20
Bottom material, definition of................ 4
Bovina, Big Black River near.................. 173-175
Bowie Creek near Hattiesburg.................. 76
  near Sanford................................ 185
Brooklyn, Black Creek near.................... 98
Bruce, Skuna River at......................... 158
Brussy Creek near Bude........................ 200
  near Bunkley................................ 222-223
Buck Creek near Runnelstown................... 185
Buckatunna Creek near Denham.................. 92

Page

Buffalo River basin, hydrologic-data station records in................................... 181
  discharge measurements at miscellaneous sites in.................................. 200-201
Buffalo River near Woodville.................. 181
Bull Mountain Creek at Tremont................ 42
  near Smithville............................. 43-44
Burnside, Pearl River at...................... 110
Burnsville, Little Yellow Creek East near..... 131
Buttahatchee River near Aberdeen.............. 59
  near Kolola Springs......................... 60

Calendar for water year 1981..................2nd cover
Calhoun City, Yalobusha River at.............. 157
Cany Creek near Coffeeville................... 189
Carthage, Pearl River near.................... 113-114
Carson Sand Creek near Waynesboro............. 194
  at Hiwannee................................. 214-215
Catalpa Creek at Mayhew....................... 184
Castaffa Creek at Barnett.................194, 214-215
Cedar Creek near Brooksville.................. 184
Cedar Creek near Trinity...................... 69-71
Cells/volume, definition of................... 4
Cfs-day, definition of........................ 4
Charleston, South Fork Tillatoba Creek near.... 155-156
Chemical oxygen demand, definition of......... 4
Chickasawhay River at Enterprise.........88-89, 212-213
  at Leakesville.............................. 93
  at Shubuta.................................. 90
  near Waynesboro..........................91, 216-217
Chiwapa Creek at Shannon...................... 183
Chuquatonchee Creek near Egypt................ 184
  near West Point............................. 184
Chuquatonchee Creek tributary near Trebloc..... 184
Chunky River near Chunky...................... 84
Clarks Creek near Pattison.................... 190
Clear Branch near Tupelo...................... 183
Clear Creek near Baxterville.................. 218-219
  near Bovina................................. 190
  near Columbia............................... 196
  near Lumberton.............................. 196
  near Pinebur................................ 218-219
Clear Creek tributary near Pelahatchie........ 187
Coffee Bogue at Ludlow........................ 187
Coldwater River (Pompey Ditch) near Sledge..... 146-149
Coles Creek basin, discharge measurements at miscellaneous sites in......................... 199
Coles Creek near Fayette...................... 190
Collins, Leaf River near...................... 75
Color unit, definition of..................... 4
Columbia, Pearl River near.................... 127
Columbus, Luxapallila Creek near.............. 67-68
  Tombigbee River at.......................... 65
  Tombigbee River at Columbus Lock and Dam, near.. 62
  Tombigbee River near........................ 64
Contents, definition of....................... 4
Control, definition of........................ 4
Control structure, definition of.............. 4
Conversion factors, inch-pounds units to International Units (SI)................3rd cover
Coonewah Creek at Shannon..................... 183
Cooperation................................... 1
Copiah Creek near Hazlehurst.................. 188
Crape Creek near Kilmichael................... 208-211
  near Stewart................................ 198
Crest-stage partial record stations........... 183-191
Crooked Creek near Doloroso................... 224-225
  near Wilkinson.............................. 200
Cross Roads, Tennessee-Tombigbee Waterway at... 132-141
CRS Draw near Liberty......................... 191
Cubic feet per second per square mile, definition of................................ 4
Cubic foot per second, definition of.......... 5
Cummings Creek near Fulton.................... 38
Cypress Creek near Bradley.................... 204-207
  near Etta................................... 189
  near Gretna................................. 216-217
  near Janice................................. 99-102
  near Waynesboro............................. 195

Darlington, LA, Amite River near.............. 182
David Bayou near Sledge....................... 150-153
Definition of terms........................... 4
Denham, Buckatunna Creek near................. 92
Discharge at partial-record stations and miscellaneous sites.......................... 183-201

Page

Discharge comparison at representative gaging
    stations, graph showing.................. 16
Discharge, definition of...................... 5
  instantaneous, definition of................ 5
  mean, definition of......................... 5
Discharge measurements at miscellaneous sites.. 192-201
Dissolved, definition of...................... 5
Dissolved oxygen, definition of............... 5
Diversity index, definition of................ 5
Doaks Creek near Canton....................199, 220-221
Downstream order and station number............ 9
Drainage area, definition of.................. 5
Drainage basin, definition of................. 5
Dry Creek near Gretna......................... 216-217
  near Waynesboro............................. 195
  near Young.................................. 216-217

East Bogue Chitto near Brookhaven..........196, 218-219
East Fork Amite River near Liberty.........201, 224-225
Eastern Gulf of Mexico basins, crest-stage
    partial-record stations in................ 183-189
  discharge measurements at miscellaneous sites 192-197
  hydrologic-data station records in.......... 20-129
Eddiceton, Homochitto River at................ 177
Edinburg, Pearl River at...................... 111-112
Elmers Draw near Columbia..................... 188
Enterprise, Chickasawhay River at............. 88-89
Escatawpa River near Agricola................. 105
Etta, Little Tallahatchie River at............ 144
Eubanks Creek at Jackson...................... 187
Explanation of ground-water level records...... 14
  collection of the data...................... 14
Explanation of stage and water-discharge
    records................................... 10
  accuracy of field data and computed results.. 10
  collection and computation of data.......... 10
  other data available........................ 10
  records of discharge collected by agencies
    other than the Geological Survey.......... 12
Explanation of water-quality records........... 12
  collection and examination of data.......... 12
  sediment.................................... 13
  water analysis.............................. 13
  water temperature........................... 13
Fairview, Mud Creek near...................... 37
Fannegusha Creek near Sand Hill............... 187
  near Tchula................................. 190
Flat Scooba Creek tributary near Scooba........ 184
Florence, AL, Tennessee River at.............. 130
Folkes Creek near Cannonsburg................. 220-221
  near Fayette................................ 199
Foster Creek near Centreville................. 200
  near Crossby................................ 222-223
Fulton, Cummings Creek near................... 38
  Tombigbee River near........................ 39-41

Gage height, definition of.................... 5
Gaging station, definition of................. 5
Geiger, AL, Noxubee River near................ 74
Goines Draw near Prentiss..................... 188
Golden Horn Creek near Sturgis................ 192
Gordon Creek at Broad Street, at Hattiesburg... 185
Granny Branch at Piave........................ 186
Ground-water-level records and quality records
    in:
  Adams County.........................239-240, 327-329
  Alcorn County............................... 240-241
  Amite County................................ 327-329
  Attala County........................241-243, 327-329
  Bolivar County.............................. 243-245
  Calhoun County.............................. 245
  Carroll County.............................. 245
  Chickasaw County............................ 246
  Choctaw County.............................. 247
  Claiborne County............................ 247
  Clay County................................. 248
  Coahoma County.............................. 249-250
  Copiah County...............................250, 329
  Covington County............................ 251
  De Soto County.............................. 251
  Forrest County.......................251-252, 329
  Franklin County............................. 252
  Greene County............................... 253
  Grenada County.............................. 253-254
  Hancock County.............................. 254-257
  Harrison County............................. 257-258
  Hinds County.........................259-262, 329
  Holmes County............................... 262-263
  Issaquena County............................ 329
  Itawamba County............................. 263-264

Page

Ground-water-level records and quality records
  in (Continued):
  Jackson County.......................264-268, 329
  Jefferson County............................268, 329
  Jones County.........................268-269, 329
  Lafayette County............................ 269-270
  Lamar County................................271, 329
  Lauderdale County........................... 271
  Leake County................................ 272
  Lee County.................................. 272-273
  Leflore County.............................. 274-275
  Lincoln County.............................. 275-276
  Lowndes County.............................. 276-278
  Madison County.......................278-279, 329
  Marshall County............................. 279
  Monroe County............................... 279-280
  Montgomery County........................... 280
  Newton County............................... 281
  Noxubee County.............................. 281
  Perry County.....................282, 327, 330-332
  Pike County................................. 282
  Prentiss County............................. 282
  Quitman County.............................. 333
  Rankin County....................283, 327, 330-332
  Scott County.................283-284, 328, 330-332
  Sharkey County...................284, 328, 330-332
  Simpson County.............................. 284-285
  Sunflower County............................ 285
  Tate County................................. 285-286
  Tippah County............................... 286
  Tishomingo County........................... 286-287
  Tunica County............................... 288
  Union County................................ 288
  Warren County............................... 289
  Washington County....................289-290, 330-332
  Wayne County.....................291, 328, 330-332
  Webster County.............................. 291
  Wilkinson County............................ 291-292
  Yazoo County................................ 292-294
Ground-water level records and quality records
    in Tennessee-Tombigbee Study Area:
  Clay County................................. 325
  Itawamba County......................310-314, 334-337
  Lowndes County.......................322-324, 334-337
  Monroe County........................314-321, 334-337
  Prentiss County......................307-310, 334-337
  Tishomingo County...........295-306, 334-337, 338-339

Hanging Moss near Carmichale.................. 216-217
  near Shubuta................................ 195
Hardness, definition of....................... 5
Hattiesburg, Bowie Creek near................. 76
  Leaf River at............................... 77-78
Hays Creek tributary No. 1 near Vaiden......... 190
Hell Creek near New Albany.................... 189
Hollybush Creek tributary No. 1 near Pisgah.... 187
Homochitto River basin, crest-stage partial-
    record stations in........................ 191
  discharge at miscellaneous sites in......... 199-200
  hydrologic-data station records in.......... 177-180
Homochitto River at Eddiceton..............177, 222-223
  at Rosetta.................................. 178-180
Horse Branch near Heidelberg...............193, 212-213
Hortons Mill Creek near Waynesboro............ 214-215
Houlka Creek near McCondy..................... 184
Hurricane Creek near Lucien................... 222-223
  near Meadville.............................. 199
Hydrologic bench-mark station, definition of... 9
Hydrologic conditions, summary of............. 2
Hydrologic-data station records............... 20-182
Hydrologic unit, definition of................ 5

Indian Branch near Edinburg................... 186
Introduction.................................. 1

Jackson, Pearl River at....................... 122-123
James Creek at Aberdeen....................... 58, 183
Janice, Cypress Creek near.................... 99-102
  precipitation quality station near.......... 340
Jordan Creek near Brookhaven...............197, 218-219

Kolola Springs, Buttahatchie River near........ 60
Kosciusko, Yockanookany River near............ 117

Landon, Wolf River near....................... 107-109
Laurel, Tallahala Creek at.................... 80
Lazy Creek near Johnstons Station..........197, 220-221
Leaf River at Hattiesburg..................... 77-78
  at Taylorsville............................. 185
  near Collins................................ 75

Page

Leaf River near McLain... 83
  near New Augusta... 193
  near Raleigh... 185
Leakesville, Chickasawhay River at... 93
Lick Creek near Adaton... 204-207
Limestone Creek near Waynesboro...194, 214-215
Line Creek near Maben... 184
Little Brown Creek near New Site... 21
Little Creek near Brookhaven... 197
  near Fayette... 190
  near Ruth... 220-221
Little New Cutter Creek near New Cutter... 214-215
  near Waynesboro... 194
Little Okatuppa Creek near Quitman... 185
Little Rock Creek tributary near Little Rock... 186
Little Tallahatchie River at Etta... 144
Little Yellow Creek East near Burnsville... 131
Little Yellow Creek near Holts Spur... 198
  near Lynn Creek...192, 202-203
Lobutcha Creek tributary at Wamba... 187
Long Branch at Chancellor... 216-217
  near Quitman... 195
Long Creek at Courtland... 189
  near Cascilla... 189
Loves Creek near Canton... 199
  near Pickens... 220-221
Lower Mississippi River basin, hydrologic-data station records in... 142-181
Luxapallila Creek at Steens... 66, 184
  near Columbus... 67-68
Lynch Creek at Jackson... 188
Lyon Creek near Taylorsville... 192

Mackeys Creek below Bay Springs Lock and Dam... 23-35
Macon, Noxubee River at... 72-73
Map showing location of hydrologic-data stations... 17
Map showing location of ground-water observation wells... 19
Map showing location of partial-record stations 18
Matubby Creek near Aberdeen... 183
McCall Creek near Lucien... 191
McCurtain Creek near Ackerman... 198
  near Stewart... 208-211
McLain, Leaf River near... 83
Memphis, TN, Mississippi River at... 142-143
Meridian, Sowashee Creek at... 85
Merrill, Pascagoula River at... 94-95
Middle Bywy Creek near Ackerman... 198
  near Tomnolen... 208-211
Middle Fork Hickory Flat near Tylertown... 189
Middle Fork Homochitto Creek at Meadville..200, 222-223
  near Meadville... 200
Milligrams per liter, definition of... 5
Mississippi River Delta, crest-stage partial-record stations in... 191
  discharge measurements at miscellaneous sites in... 201
  hydrologic-data station records in... 182
Mississippi River Main Stem, hydrologic-data station records on...142-143, 164-171
Mississippi River at Memphis, TN... 142-143
  at Vicksburg... 164-171
Mobile River basin, crest-stage partial-record stations in... 183-185
  discharge measurements at miscellaneous sites in... 192
  hydrologic-data station records in... 20-74
Monticello, Pearl River near... 124-125
Moores Branch near Woodville... 191
Moores Mill, Red Bud Creek near... 36
Mosquito Lake tributary No. 1 at Itta Bena... 189
Mosquito Lake tributary No. 2 at Itta Bena... 190
Mud Creek near Fairview... 37

Nanih Waiya Creek near Boon... 204-207
National Geodetic Vertical Datum of 1929, definition of... 5
National stream-quality accounting network stations, definition of... 8, 9
Neely Creek near Brandon... 188
Nettleton, Town Creek near... 48-50
Networks and programs, special... 9
New Site, Little Brown Creek near... 21
Nichols Creek near Aberdeen... 57, 192
Nichols Creek tributary near Quincy... 183
North Tippah Creek near Ripley... 189
Noxubee River at Macon... 72-73
  near Geiger, AL... 74
Numbering system for wells and miscellaneous sites... 9

Page

Oak Vale, Whitesand Creek near... 126
Oakland, Tillatoba Creek below... 154-156
Oakohay Creek at Mize... 185
Ofahoma, Yockanookany River near... 118-119
Okatibbee Creek at Arundel... 86-87
Okatoma Creek at Seminary... 193
Okatoma Creek tributary No. 2 near Collins... 185
Old Julie Branch near Sandersville...193, 212-213
Organism, definition of... 5
  count/volume, definition of... 5
  total count, definition of... 5
Other data available... 12
Otoucalofa Creek at Water Valley... 189
Oxford, Yocona River near... 145
Paden, Pollard Mill Branch near... 22
Panther Creek tributary near Flora... 190
Parker Creek near Poplarville... 195
  near Young... 216-217
Partial-record station, definition of... 5
Particle-size, definition of... 5
Particle-size classification, definition of... 6
Pascagoula River basin, crest-stage partial-record stations in... 185-186
  discharge measurements at miscellaneous sites in... 192-195
  hydrologic-data station records in... 75-105
Pascagoula River at Merrill... 95-95
  near Benndale... 96-97
Pearl River basin, crest-stage partial-record stations in... 186-189
  discharge measurements at miscellaneous sites in... 196-197
  hydrologic-data station records in... 110-129
Pearl River at Burnside... 110
  at Coal Bluff near Ratliff... 120-121
  at Edinburg... 111-112
  at Jackson... 122-123
  near Bogalusa, LA... 128
  near Carthage... 113-114
  near Columbia...127, 196
  near Jackson... 122-123
  near Monticello... 124-125
Percent composition, definition of... 6
Perry Creek at Tinsley... 220-221
  near Satartia... 198
Pesticides, definition of... 6
Picocurie, definition of... 6
Pigeon Roost Creek at Mathiston... 204-207
  near Ackerman... 198
Plankton, definition of... 6
  Phytoplankton, definition of... 5
    Blue-green algae... 6
    Diatoms, definition of... 6
    Green algae... 6
  Zooplankton, definition of... 6
Plant Branch near Soso...192, 212-213
Pollard Mill Branch near Paden... 22
Polychlorinated biphenyls, definition of... 6
Poplar Creek near French Camp... 208-211
  near Kilmichael... 199
Powers Creek near Rose Hill... 186
Prairie Creek near Heidelberg... 212-213
Precipitation quality station near Janice... 340
Pretty Creek near Natchez...200, 224-225
Publications on techniques of water-resources investigations... 15
Purple Creek at Jackson... 187

Quality of ground water... 326-331
Quality of precipitation... 340
  precipitation quality station near Janice... 340

Radioisotopes, definition of... 6
Ratliff, Pearl River at Coal Bluff near... 120-121
Recoverable from bottom material, definition of 6
Red Bud Creek near Moores Mill... 36
Red Cane Creek tributary near Pisgah... 187
Red Creek at Vestry... 104
Red Creek tributary near Wiggins... 186
Redwood, Yazoo River at... 162-163
Reedy Creek at Sandersville...193, 212-213
Richardson Creek near Bunkley... 222-223
  near Meadville... 200
Richland Creek at Jackson... 196
Richton, Bogue Homo near... 82
Rosetta, Homochitto River at... 178-180
Runnelstown, Tallahala Creek near... 81
Runoff in inches, definition of... 6

Page
Sand Creek near Sturgis....................192, 204-207
Sand Creek tributary near Mayhew.............. 184
Sandy Creek near Natchez....................200, 224-225
  near Waynesboro...........................194, 214-215
Sandy Hook Creek near Paden................192, 202-203
Second Creek near Natchez..................201, 224-225
Sediment.. 13
Sediment, definition of......................... 7
  mean concentration, definition of............ 7
  suspended, definition of..................... 7
  suspended-concentration, definition of....... 7
  suspended-discharge, definition of........... 7
Sharkey Creek tributary near West.............. 190
Shaws Creek near Brookhaven.................199, 222-223
Shell Bluff, Yazoo River near.................. 159-161
Shell Creek near Tupelo........................ 183
Shubuta, Chickasawhay River at................. 90
Shubuta Creek near Shubuta..................186, 214-215
Silver Creek near Boyce........................ 214-215
  near Waynesboro.............................. 194
Skuna River at Bruce........................... 158
Sledge, Coldwater River (Pompey Ditch) near.... 146-149
  David Bayou near............................. 150-153
Small Pine Ditch near Monticello............... 188
Smithville, Bull Mountain Creek near........... 43-44
Sodium adsorption ratio, definition of......... 7
Solute, definition of.......................... 7
Souinlovey Creek near Baxter................... 186
South Fork Coles Creek near Fayette........199, 220-221
South Fork Tillatoba Creek near Charleston..... 155-156
Sowashee Creek at Meridian..................... 85
Special networks and programs.................. 9
Specific conductance, definition of............ 7
St. Catherine Creek basin, discharge measurements at miscellaneous sites in........... 199
St. Catherine Creek at Linwood................. 222-223
  at Natchez................................... 199
  at Washington................................ 222-223
  near Natchez................................. 199
Stage-discharge relation, definition of........ 7
Steens, Luxapallila Creek near................. 66
Streamflow, definition of...................... 7
Strong River at D'Lo........................... 188
  near Puckett................................. 188
Summary of Hydrologic Conditions............... 2
Surface area, definition of.................... 7
Surficial bed material, definition of.......... 7
Suspended, recoverable, definition of.......... 7
  total.. 7

Tacketts Creek tributary near Pickens.......... 190
Tallahalla Creek at Laurel..................... 80
  at Waldrup................................... 79
  near Runnelstown............................. 81
Tallahala Creek tributary at 8th Street, at Laurel.................................. 185
Tallahala Creek tributary No. 2 at Grandview Drive, at Laurel.......................... 185
Tallahatta Creek near Waldrup...............185, 212-213
Tallahoma Creek tributary at Lake Como......... 185
Tampa Creek near Eucutta....................... 214-215
  near Waynesboro.............................. 194
Tangipahoa River tributary near McComb......... 191
Taxonomy, definition of........................ 8
Tchoutacabouffa River basin, crest-stage partial-records stations in.............. 186
Tennessee River Main Stem, hydrologic-data station records on....................... 130
Tennessee River basin, discharge at miscellaneous sites in............................ 198
  hydrologic-data station records in.......... 131-141
Tennessee River at Florence, AL................ 130
Tennessee-Tombigbee Waterway at Cross Roads.... 132-141
Terrell Creek near Sandersville............193, 212-213
Thermograph, definition of..................... 8
Thompson Creek basin, crest-stage partial-record stations in.............................. 191
Thompson Creek at Tinsley...................... 220-221
  near Satartia................................ 198
Three Mile Creek at Jackson.................... 188
Tibbee Creek near Tibbee....................... 61
Tibby Creek near McCool........................ 204-207

Page
Tilda Bogue near Canton........................ 190
Tillatoba Creek below Oakland..............154, 156
Tom Branch near Meadville..................200, 222-223
Tombigbee River at Aberdeen.................... 54-56
  at Bigbee.................................... 45
  at Columbus.................................. 65
  at Columbus Lock and Dam, near Columbus...... 62
  near Amory................................... 51-53
  near Columbus................................ 63-64
  near Fulton.................................. 39-41
Tons per acre-foot, definition of.............. 8
Tons per day, definition of.................... 8
Total, definition of........................... 8
Total, in bottom material, definition of....... 8
Total, recoverable, definition of.............. 8
Town Creek at Eason Boulevard, at Tupelo....... 46-47
  at Tupelo.................................... 183
  near Nettleton............................... 48-50
Town Creek at Jackson.......................... 188
Tremont, Bull Mountain Creek at................ 42
Trim Cane Creek near Sherwood.................. 192
  near Starkville.............................. 184
Trinity Creek near Trinity..................... 69-71
Tupelo, Town Creek at Eason Boulevard, at...... 46-47
Turbidity, definition of....................... 8
Tuscolameta Creek at Walnut Grove.............. 115-116
Tuxachanie Creek near Biloxi................... 186
Tylertown, Bogue Chitto near................... 129

Unnamed Creek near Baxterville................. 218-219
  near Bay Springs..........................193, 212-213
  near Bentonia................................ 198
  near Harmony..............................193, 212-213
  near Lumberton............................... 196
  near Oil City................................ 220-221
  near Poplarville............................. 195
  near Young................................... 216-217

Vestry, Red Creek at........................... 104
Vicksburg, Mississippi River at................ 164-171

Wagon Branch near Eucutta...................... 214-215
  near Waynesboro.............................. 194
Waldrup, Tallahala Creek at.................... 79
Walnut Grove, Tuscolameta Creek at............. 115-116
Wash Creek near Young......................195, 216-217
Waterfall Branch near McLain................... 186
Waynesboro, Chickasawhay River near............ 91
Wells Creek near Roxie.....................200, 224-225
West, Big Black River at....................... 172
West Bogue Chitto near Brookhaven.............. 196
West Hobolochitto Creek near McNeill........... 189
Whiteoak Creek tributary near Utica............ 190
Whitesand Creek near Oak Vale.................. 126
Wiggins, Black Creek near...................... 103
Willows, Bayou Pierre near..................... 176
Wolf River basin, hydrologic-data station records in.................................. 107-109
Wolf River near Landon......................... 107-109
Woodville, Buffalo River near.................. 181
Wortham, Biloxi River at....................... 106
WRD, definition of............................. 8
WSP, definition of............................. 8

Yalobusha River at Calhoun City................ 157
Yazoo River basin, crest-stage partial-record stations in................................ 189-190
  discharge measurements at miscellaneous sites in.. 198
  hydrologic-data station records in.......... 144-163
Yazoo River at Redwood......................... 162-163
  near Shell Bluff............................. 159-161
Yellow Creek at Ackerman....................... 196
  at Waynesboro................................ 216-217
  near Waynesboro.............................. 194
Yockanookany River near Kosciusko.............. 117
  near Ofahoma................................. 118-119
  northwest of Ackerman........................ 204-207
Yockanookany River tributary near McCool....... 187
Yocona River near Oxford....................... 145

October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	$2.54\mathrm{x}10^{1}$	millimeters (mm)
	$2.54\mathrm{x}10^{-2}$	meters (m)
feet (ft)	$3.048\mathrm{x}10^{-1}$	meters (m)
miles (mi)	$1.609\mathrm{x}10^{0}$	kilometers (km)
	Area	
acres	$4.047\mathrm{x}10^{3}$	square meters (m^2)
	$4.047\mathrm{x}10^{-1}$	square hectometers (hm^2)
	$4.047\mathrm{x}10^{-3}$	square kilometers (km^2)
square miles (mi^2)	$2.590\mathrm{x}10^{0}$	square kilometers (km^2)
	Volume	
gallons (gal)	$3.785\mathrm{x}10^{0}$	liters (L)
	$3.785\mathrm{x}10^{0}$	cubic decimeters (dm^3)
	$3.785\mathrm{x}10^{-3}$	cubic meters (m^3)
million gallons	$3.785\mathrm{x}10^{3}$	cubic meters (m^3)
	$3.785\mathrm{x}10^{-3}$	cubic hectometers (hm^3)
cubic feet (ft^3)	$2.832\mathrm{x}10^{1}$	cubic decimeters (dm^3)
	$2.832\mathrm{x}10^{-2}$	cubic meters (m^3)
cfs-days	$2.447\mathrm{x}10^{3}$	cubic meters (m^3)
	$2.447\mathrm{x}10^{-3}$	cubic hectometers (hm^3)
acre-feet (acre-ft)	$1.233\mathrm{x}10^{3}$	cubic meters (m^3)
	$1.233\mathrm{x}10^{-3}$	cubic hectometers (hm^3)
	$1.233\mathrm{x}10^{-6}$	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	$2.832\mathrm{x}10^{1}$	liters per second (L/s)
	$2.832\mathrm{x}10^{1}$	cubic decimeters per second (dm^3/s)
	$2.832\mathrm{x}10^{-2}$	cubic meters per second (m^3/s)
gallons per minute (gal/min)	$6.309\mathrm{x}10^{-2}$	liters per second (L/s)
	$6.309\mathrm{x}10^{-2}$	cubic decimeters per second (dm^3/s)
	$6.309\mathrm{x}10^{-5}$	cubic meters per second (m^3/s)
million gallons per day	$4.381\mathrm{x}10^{1}$	cubic decimeters per second (dm^3/s)
	$4.381\mathrm{x}10^{-2}$	cubic meters per second (m^3/s)
	Mass	
tons (short)	$9.072\mathrm{x}10^{-1}$	megagrams (Mg) or metric tons